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NEUROMIME NETWORK SIMULATOR

APPENDIX II NEUROMIME SIMULATOR OUTPUT

JAMES FLAUGHER

THE SERVICE BUREAU CORPORATION

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FOREWORD

This report covers work done by The Service Bureau Corporation, 425 Park Avenue, New York, New York, under Contract No. AF 33(657)-11194 with the Aerospace Medical Research Laboratories. The work was performed in support of Project 7233, "Biological Information Handling Systems and Their Functional Analogs," Task 723304, "Neural Networks." Lt. Colonel Jack E. Steele, MC, USAF, of the Biomedical Laboratory, was the technical contract monitor of the Aerospace Medical Research Laboratories.

The principle Service Bureau personnel were Dr. Hanan Rubin and Mr. Frank Gracer, simulation research and development; Mr. Kenneth Orr, simulation conversion to existing systems; and Mr. James Flaughner, simulation analysis and modification. The work was begun 19 March, 1963 and completed 15 April, 1966

This technical report has been reviewed and is approved

J. W. Heim, PhD.
Technical Director
Biomedical Laboratory
Aerospace Medical Research Laboratories

ABSTRACT

Because of the large number of network combinations and parameter variations possible in a Steele neuromime network, a program for simulating the nets on a digital computer is being developed to aid in determining the most efficient nets for specific tasks. The results of the investigation of network and parameter variations may then be used as the restraints and design criteria for neuromime devices with specific signal recognition capabilities. The simulation provides as a tool, a means of generating randomly connected networks with desired statistical restraints and a training phase which alters the network in such a manner as to force the actual response closer to the desired response. The generalized nature of the nets used is the essence of the research effort. Appendix II contains the neuromime simulator output.

APPENDIX II

NEUROMIME SIMULATOR OUTPUT

(Note: The following are working outputs
and contain handwritten comments
and notations.)

LIST 1

9 132835 C 8J08 245 0,20,29000 65-424,FLAUGHER J.C.,MRBAP

90 UNIT	R1	PU	PR	A1	A2	A3	A4	A5	A6	A7	A8	A9	A0	B1	B2	B3	B4	B5	C6	B7
FUNCTION	CR0	PCM	PRT	LB1	IM1	OUT	PP1	CK1	A(8)	A(7)	A(4)	A(9)	B(1)	UT1	UT2	UT3	UT4	CR2		
40 LOGICAL	32	33	34	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

90 UNIT	B8	B9	B0	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

9 132835 0 \$SETUP A(8) DISK,918
 9 132835 0 \$SETUP A(7) 1067,DISK
 9 132835 0 \$SETUP A(4) DISK,1106
 9 132835 0 \$SETUP A(9) DISK,1327
 9 132835 0 \$SETUP B(1) DISK,226
 9 132835 0 \$ATEND 00000,77777.6,DUMP
 9 132835 0 \$EXECUTE 18JOB
 9 132948 0 FILES READY FOR USE.....
 9 132948 0 SYSUNI FILE NAME UNIT

9 132948 0	UNIT01	B6
9 132948 0	UNIT03	B7
9 132948 0	UNIT04	A8
9 132948 0	UNIT08	A6
9 132948 0	UNIT09	A9
9 132948 0	UNIT10	A7
9 132948 0	UNIT11	A7
9 132948 0	UNIT12	A0
9 132948 0	FILE2	A8

9 133013 0 EXECUTION
 9 133023 0 ***NETWORK GENERATED.
 9 133023 0 INPUT CONVERTED
 9 133035 0 NETWORK GENERATED
 9 133810 0 UNIT A8 FILE2 REMOVE REEL 0001

9 133810 0 END OF INPUT. SIMULATION COMPLETE.
 9 133810 0 RESTART WRITTEN, LIFT SS2 AND PRESS START TO CONTINUE.
 9 133812 0 15053 LINES OUTPUT.
 9 133813 0 \$18SYS
 9 133814 0 \$STOP

9 133814 0 PERIPHERAL FILE POSITIONS AT END OF JOB
 9 133814 0 SYSPPI REC. 00111, FILE 00000
 9 133814 0 SYSOU1 REC. 12716, FILE 00000
 9 133814 0 SYSINI REC. 00001, FILE 00003
 9 133814 0 END OF JOB

9 133818 0 SYSTEMS CORE DUMP TAKEN AT THIS POINT

18JOB VERSION 5 HAS CONTROL.
 18JOB MAP

18BLDR UN01	UN010000
18BLDR UN03	UN030000
18BLDR UN04	UN040000
18BLDR UN08	UN080000
18BLDR UN09	UN090000
18BLDR UN10	UN100000
18BLDR UN11	UN110000
18BLDR UN12	UN120000
18BLDR MAIN	MAIN0000
18BLDR RDCC1	RDCC0000
18BLDR BTOF	BTUF0000
18BLDR BPOINT	BPOI0000
18BLDR NETGEN	NETG0000
18BLDR ISUMAI	ISUM0000
18BLDR GFNXY1	GFNXY000
18BLDR PUTRE	PUTR0000
18BLDR CONEC	CONE0000
18BLDR RSF111	RSF10000
18BLDR IPTCO	IPTC0000
18BLDR META1	META0000
18BLDR META2	META0000
18BMAP NF51M (10K,M94/2	

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9 132835 0 \$JOB 245 C.20.20000 65-424,FLAUGHER J.C.,M88AP

90 UNIT	RD	PU	PR	A1	A2	A3	A4	A5	A6	A7	A8	A9	AC	B1	B2	B3	B4	B5	B6	B7
FUNCTION	CRD	PCM	PR	LB1	LB2	DL1	PP1	CR1						UT1	UT2	UT3	UT4	UT5	UT6	UT7
SYMBOLIC									A161	A171	A181	A191	B111							
40 LOGICAL	32	33	34	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

90 UNIT	B8	B9	B0	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6
FUNCTION															
SYMBOLIC															
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

9 132835 0 \$SETUP A181 DISK,918
9 132835 0 \$SETUP A171 1067,DISK
9 132835 0 \$SETUP A161 DISK,1104
9 132835 0 \$SETUP A191 DISK,1327
9 132835 0 \$SETUP B111 DISK,276
9 132835 0 \$ATEND 00000,77777,6,7,MP
9 132835 0 \$EXECUTE 16JUB
9 132948 0 FILES READY FOR USE.....
9 132948 0 \$SYNMI FILE NAME UNIT

9 132948 0	UNIT01	B6
9 132948 0	UNIT03	B7
9 132948 0	UNIT04	A8
9 132948 0	UNIT06	A6
9 132948 0	UNIT09	A9
9 132948 0	UNIT10	A7
9 132948 0	UNIT11	A7
9 132948 0	UNIT12	A0
9 132948 0	FILE2	A8

9 133013 0 EXECUTION
9 133023 0 ***NETWORK GENERATED.
9 133023 0 INPUT CONVERTED
9 133035 0 NETWORK GENERATED
9 133010 0 UNIT A8 FILE2 REMOVE REEL 0001

9 133010 0 END OF INPUT. SIMULATION COMPLETE.
9 133010 0 RESTART WRITTEN, LIFT SS2 AND PRESS START TO CONTINUE.
9 133012 0 15053 LINES OUTPUT.
9 133013 0 \$IBSYS
9 133014 0 \$STOP

9 133014 0 PERIPHERAL FILE POSITIONS AT END OF JOB

9 133014 0	SYSPP1	REC. 00111, FILE 00000
9 133014 0	SYSOUI	REC. 12716, FILE 00000
9 133014 0	SYSINI	REC. 00001, FILE 00003

9 133014 0 END OF JOB

9 133018 0 \$SYSTEMS CORE DUMP TAKEN AT THIS POINT

IBJOB VERSION 5 HAS CONTROL.

\$IBJOB MAP

\$IBLDR UN01	UN010000
\$IBLDR UN03	UN030000
\$IBLDR UN04	UN040000
\$IBLDR UN08	UN080000
\$IBLDR UN09	UN090000
\$IBLDR UN10	UN100000
\$IBLDR UN11	UN110000
\$IBLDR UN12	UN120000
\$IBLDR MAIN	MAIN0000
\$IBLDR RDCC1	RDCC0000
\$IBLDR BTDF	BTDF0000
\$IBLDR BPOINT	BPOINT0000
\$IBLDR NETGEN	NETG0000
\$IBLDR \$SUMA1	06/22/65 \$SUM0000
\$IBLDR GFNXY1	06/22/65 GFEN0000
\$IBLDR PUTRE	06/22/65 PUTR0000
\$IBLDR CONEC	06/22/65 CONE0000
\$IBLDR RSF111	06/22/65 RSF10000
\$IBLDR IPTCO	06/22/65 IPTC0000
\$IBLDR METAL	06/22/65 META0000
\$IBLDR META2	06/22/65 META0000
\$IBMAP NETSIM 110K,M94/2	06/22/65

NETSIM
ASSEMBLED TEXT.

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00102 0 00000 0 03553 10001
00103 000000000000 00010
00103 0074 00 4 02400 10011
00104 1 00017 0 00421 10011
00105 0 27051 0 03165 10000
00106 0 00000 0 30050 10000
00107 0 76000 0 30051 10000

CALL NETCHG(OT,EP,SLN,P,STEP,CSAT,HS,MI,FPLS,FNINS,FPLI,FMINI,
ETC ESUM,NEXT,MULEVS,ISM,SMEXT)

BINARY CARD ID. NETSIM09

00110 0 00000 0 30052 10000
00111 00000 0 30053 10000
00112 00000 0 30055 10000
00113 10000 0 30056 10000
00114 00000 0 30057 10000
00115 00000 0 30060 10000
00116 0 00000 0 30061 10000
00117 0 00000 0 30062 10000
00120 0 00000 0 30064 10000
00121 0 00000 0 30303 10000
00122 0 00000 0 03543 10001
00123 0 00000 0 00530 10001
00124 0 00000 0 30303 10000
00125 0500 00 0 30047 10000
00126 0771 00 0 00022 10000
00127 0601 00 0 03240 10001
00130 0534 00 2 30047 10000
00131 0600 00 0 30047 10000
00132 0634 00 2 30047 10000

CLA SKIP
ARS 18
STO OPSNUP
LXA SKIP,2
STZ SKIP
SXA SKIP,2

ON-SKIP TAPE
REMOVE OPSNUM FROM DECREMENT OF SKIP.

LNK40088
LNK40089
LNK40088

BINARY CARD ID. NETSIM10

00133 0500 00 0 00536 10001
00134 0340 00 0 00540 10001
00135 0070 00 0 00403 10011
00136 0020 00 0 00456 10001
00137 0020 00 0 00456 10001
00140 0760 00 0 00144 10000
00141 0500 00 0 03200 10001
00142 4320 00 0 00214 10001
00143 0100 00 0 00152 10001
00144 7 00000 2 00152 10001
00145 0074 00 4 13400 10011
00146 0 00212 0 04001 10110
00147 0 00466 0 00500 10101
00150 3 00000 2 00000 10000
00151 2 00001 2 40404 10011
00152 0500 00 0 03552 10001
00153 0100 00 0 00170 10001
00154 0534 00 2 03556 10001
00155 0774 00 1 00004 10000

CLA NMIN
CAS C253
TRA **3
TRA CHIOXY
TRA CHIOXY
S N 4
RECSKP CLA KEYS
ANA FOUR
TZE FCHG
TXL FCHG,2,0
TSX READ,4
PZE FILE2,,EOM2
PZE FOT,,IREAD
IORTM **,,**
TIX **4,2,1
FCHG CLA FFSWT
TZE FFL4
LXA NOCDS,2
FFL1 AXI 4,1

ONE RECORD INPUT

TWO RECORD INPUT

TEST FOR RESTART

DO NOT SKIP
SKIP ZERO RECORDS
SKIP A RECORD
ON THE INPUT
TAPE

LNK40086
LNK40087
LNK40089
LNK40090
LNK40091
LNK40092
LNK40093

STORE NEW FIX-FORGET VALUES

LNK40095
LNK40096
LNK40097
LNK40098

BINARY CARD ID. NETSIM11

00156 0500 00 1 03453 10001
00157 0601 00 1 30063 10000
00160 2 00001 1 00156 10001
00161 0500 00 0 00156 10001

FFL2 CLA FFSPC+4,1
FFL3 STO LEVEL+7,1
TIX FFL2,1,1
CLA FFL2

LNK40099
LNK40100
LNK40101
LNK40102

NETSIM
ASSEMBLED TEXT.

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00162 0400 00 0 00214 10001
00163 0621 00 0 00156 10001
00164 0500 00 0 00157 10001
00165 0400 00 0 00215 10001
00166 0621 00 0 00157 10001
00167 2 00001 2 00155 10001
00170 0441 00 0 03554 10001
00171 0054 00 000010 10000
00172 0020 00 0 00216 10001
00173 0056 00 000004 10000
00174 0020 00 0 00404 10011
00175 0500 00 0 03157 10001
00176 0601 00 0 00547 10001
00177 0020 00 0 00216 10001
00200 0500 00 0 00556 10001

ADD FOUR
STA FFL2
CLA FFL3
ADD C10
STA FFL3
TIX FFL1,2,1
LDI INDICT
RFT 10
TRA SCHED
RNT 4
TRA **4
LXA XITRY
STO M1TRY
TRA SCHED
CLA M3M

MODE2

MODE 3
MODE 4

LNK40103
LNK40104
LNK40105
LNK40106
LNK40107
LNK40108
LNK40109
LNK40110
LNK40111
LNK40112
LNK40113
LNK40114
LNK40115
LNK40116

BINARY CARD ID. NETSIM12

00201 0601 00 0 00532 10001
00202 0500 00 0 00557 10001
00203 0601 00 0 00533 10001
00204 0054 00 000020 10000
00205 0020 00 0 00216 10001
00206 0400 00 0 03560 10001
00207 0601 00 0 00562 10001
00210 0020 00 0 00216 10001
00211 0000 00 0 00400 10011
00212 0000 00 0 00400 10011
00213 0 00000 0 30047 10000
00214 000000000004 10000
00215 000000000012 10000

STO M3(M
CLA M3M
STO M3(M
RFT 20
TRA SCHED
CLA XCENT
STO PCENT
TRA SCHED
E08 HTR
E082 HTR
CINIT SKIP
F00M DEC
C10 DEC

LNK40117
LNK40118
LNK40119
LNK40120
LNK40121
LNK40122
LNK40123
LNK40124
LNK40125
LNK40126
LNK40127
LNK40128
LNK40129

				* INPT	SCHEDULE ROUTINE	
00216	0441	00	0 04554	10001	SCHED	LOI INDICT
00217	0054	00	000004	10000	RFT	4
00220	0020	00	0 00240	10001	TRA	MODE1
00221	0054	00	000010	10000	RFT	10
00222	0020	00	0 00252	10001	TRA	MODE2
00223	0054	00	000020	10000	RFT	20
BINARY CARD ID. NETSIM13						
00224	0020	00	0 00113	10001	TRA	MODE3
00225	0054	00	000040	10000	RFT	40
00226	0020	00	0 00335	10001	TRA	MODE4
00227	0000	00	0000000000	00010	CALL	.FPRN.(BCDC)*1746*
00227	0074	00	4 04060	10011		
00230	1 00001	0	00403	10011		
00231	0 27051	0	03322	10000		
00232	0 00000	0	00602	10001		
00233	000000000000	00010			CALL	.FFIL.
00233	0074	00	4 05400	10011		
00234	1 00000	0	00402	10011		
00235	0 27051	0	00274	10000		
00236	0420	00	0 00001	10000	HPR	1
00237	0020	00	0 04001	10011	TRA	0-1
00240	4760	00	0 00142	10000	MODE1	SLT 2
00241	0020	00	0 00246	10001	TRA	MIA
00242	0074	00	4 00424	10001	M1	TSX INPUT,4
00243	0534	00	4 00547	10001	LXA	M1TRY,4
00244	0634	00	4 00575	10001	SXA	READS,4
BINARY CARD ID. NETSIM14						
00245	0020	00	0 00641	10001	TRA	BEGIN
00246	0534	00	4 00575	10001	M1A	LXA READS,4
00247	6 00001	4	00242	10001	TXN	M1,4,1
00250	0634	00	4 00575	10001	SXA	READS,4
00251	0020	00	0 00641	10001	TRA	BEGIN
00252	4760	00	0 00142	10000	MODE2	SLT 2
00253	0020	00	0 00311	10001	TRA	MSE
00254	0534	00	1 00545	10001	LXA	C(2),1
00255	6 00001	1	00266	10001	TXN	M5C,1,1
00256	0634	00	1 00545	10001	M5A	SXA D(2),1
00257	0534	00	1 00544	10001	LXA	C(2),1
00260	6 00001	1	00266	10001	TXN	M5C,1,1
00261	0634	00	1 00544	10001	SXA	C(2),1
00262	0074	00	4 00402	10001	TSX	DOUBSR,4
00263	0500	00	0 03324	10001	CLA	ONE
00264	0074	00	4 00424	10001	M5B	TSX INPUT,4
00265	0020	00	0 00641	10001	TRA	BEGIN
00266	0500	00	0 00555	10001	M5C	CLA D2
00267	0601	00	0 00545	10001	STD	D(2)
BINARY CARD ID. NETSIM15						
00270	0500	00	0 00554	10001	CLA	C2
00271	0601	00	0 00544	10001	STD	C(2)
00272	0534	00	1 00547	10001	LXA	A(2),1
00273	2 00001	1	00307	10001	TXN	M5F,1,1

WAS OUTPUT CORRECT
OFF-INCORRECT
ON-READ NEW INPUT
LOAD NUMBER OF TRIES

TEST FOR MAXIMUM TRIES

TEST FOR CORRECT RESPONSE
NO--OFF
YES--ON
C2 VAULES CONSECUTIVELY CORRECT
SAVE D(2)
TESTC(2)--NUMBER OF TRIES FOR D2
C2 TRIES FOR D2 CONSECUTIVELY CORRECT
RESPONSES --SAVE C(2)

RESET D(2)

RESET C(2)
TEST NUMBER OF INPUTS PER CYCLE
MORE INPUTS

00274	0534	00	1 00543	10001	LXA	B(2),1	TEST NUMBER OF CYCLES
00275	6 00001	1	00304	10001	TXN	M5D,1,1	NO MORE COCLES
00276	0634	00	1 00543	10001	SXA	B(2),1	SAVE NUMBER OF CYCLES REMAINING
00277	0074	00	4 00402	10001	TSX	DOUBSR,4	
00300	0500	00	0 00552	10001	CLA	A2	RESET COUNTER OF INPUT NAMES
00301	0500	00	0 00552	10001	CLA	A2	
00302	0601	00	0 00542	10001	STD	A(2)	
00303	0020	00	0 00264	10001	TRA	M5B	RESET CYCLE INDEX
00304	0500	00	0 00553	10001	M5D	CLA B2	
00305	0601	00	0 00543	10001	STD	B(2)	
00306	0534	00	1 00552	10001	LXA	A2,1	RESET INPUT COUNTER INDEX
00307	0634	00	1 00542	10001	M5F	SXA A(2),1	
00310	0020	00	0 00264	10001	TRA	M5B	
00311	0534	00	1 00555	10001	M5E	LXA D2,1	RESET CONSECUTIVELY CORRECT RESPONSE INDEX
00312	0020	00	0 00256	10001	TRA	M5A	
BINARY CARD ID. NETSIM16							
00313	0534	00	4 00577	10001	MODE3	LXA MINPS,4	HAVE M INPUTS BEEN READ
00314	6 00001	4	00320	10001	TXN	M3A,4,1	
00315	0634	00	4 00577	10001	SXA	MINPS,4	NO-READ NEXT INPUT
00316	0074	00	4 00424	10001	M3	TSX INPUT,4	
00317	0020	00	0 00641	10001	TRA	BEGIN	
00320	0534	00	2 00532	10001	M3A	LXA M3(M),2	YES-RESET M COUNTER
00321	0634	00	2 00577	10001	SXA	MINPS,4	
00322	0514	00	4 00600	10001	LXA	NCYCS,4	HAVE N CYCLES BEEN READ
00323	2 00001	4	00327	10001	TXN	M3B,4,1	
00324	0534	00	2 00533	10001	LXA	M3(M),2	YES-RESET N COUNTER
00325	0634	00	2 00600	10001	SXA	NCYCS,2	
00326	0020	00	0 00333	10001	TRA	M3C	
00327	0634	00	4 00600	10001	M3B	SXA NCYCS,4	NO--BSP M TIMES
00330	0074	00	4 00402	10001	TSX	DOUBSR,4	
00331	0500	00	0 00532	10001	CLA	M3(M)	
00332	0441	00	0 03554	10001	LDI	INDICT	
00333	0074	00	4 00424	10001	M3C	TSX INPUT,4	
00334	0020	00	0 00641	10001	TRA	BEGIN	
00335	0500	00	0 00576	10001	MODE4	CLA TOTAL	ADD CNF TO TOTAL TRIES

BINARY CARD ID. NETSIM17								
00336	0400	00	0	03324	10001	ADD	ONE	LNK40185
00337	0401	00	0	00576	10001	STO	TOTAL	LNK40186
00340	4760	00	0	00142	10000	SLT	2	LNK40187
00341	0020	00	0	00345	10001	TRA	M4	LNK40188
00342	0500	00	0	00601	10001	CLA	RESET	LNK40189
00343	0400	00	0	03324	10001	ADD	ONE	LNK40190
00344	0401	00	0	00601	10001	STO	RESET	LNK40191
00345	0534	00	4	00577	10001	LXA	M4(N),4	LNK40192
00346	6	00001	4	00352	10001	TXN	M4A,4,1	LNK40193
00347	0634	00	4	00577	10001	SXA	MINPS,4	LNK40194
00350	0074	00	4	00424	10001	TSX	INPUT,4	LNK40195
00351	0020	00	0	00641	10001	TRA	BEGIN	LNK40196
00352	0534	00	2	00532	10001	LXA	M4(N),2	LNK40198
00353	0634	00	2	00577	10001	SXA	MINPS,2	LNK40199
00374	0500	00	0	00601	10001	CLA	RESET	LNK40200
00355	0560	00	0	03323	10001	LDQ	ZERO	LNK40201
00356	0271	00	0	00576	10001	DVP	TOTAL	LNK40202
00357	0760	00	0	00012	10000	DCT		

WAS LAST RESPONSE CORRECT
N/
YES-ADD 1 TO COUNT

HAVE M INPUTS BEEN READ
NO-READ NEW RECORD

CALCULATE PERCENT

NETSIM
ASSEMBLED TEXT.

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00360	0020	00	0	00364	10001	TRA	M4B	CORRECT RESPONSE ON EACH INPUT	LNK40203
BINARY CARD ID. NETSIM18									
00361	0131	00	0	00000	10000	XCA			LNK40204
00362	0402	00	0	00562	10001	SUB	PCENT	IS PERCENT GREATER	LNK40205
00363	4120	00	0	00372	10001	TMI	M4C	THAN SPECIFIED ONE	LNK40206
								YES-RESET M COUNTER	LNK40207
00364	0534	00	4	00533	10001	LXA	M4(N),4		LNK40208
00365	0634	00	4	00600	10001	SXA	NCVCS,4		LNK40209
00366	0074	00	4	00424	10001	TSX	INPUT,4	READ NEW RECORD	LNK40210
00367	0600	00	0	00601	10001	STZ	RESET		LNK40211
00370	0600	00	0	00576	10001	STZ	TOTAL		LNK40212
00371	0020	00	0	00641	10001	TRA	BEGIN		LNK40213
00372	0534	00	4	00600	10001	LXA	NCVCS,4	H-LE N CYCLES BEEN READ	LNK40214
00373	6	00001	4	00364	10001	TXN	M4B,4,1		
00374	0634	00	4	00600	10001	SXA	NCVCS,4	NO--BSP M TIMES	LNK40216
00375	0074	00	4	00402	10001	TSX	DOUBSR,4		
00376	0500	00	0	00532	10001	CLA	M4(M)	BACKSPACE M4(M) INPUTS	
00377	0441	00	0	03554	10001	LDI	INDICT		
00400	0074	00	4	00424	10001	TSX	INPUT,4	READ CYCLE AGAIN	LNK40223
00401	0020	00	0	00641	10001	TRA	BEGIN		LNK40224
00402	0634	00	4	00421	10001	DOUBSR	SXA		
00403	0522	00	4	00001	10000	XEC	1,4	CLA NUMBER OF INPUTS	
BINARY CARD ID. NETSIM19									
00404	4760	00	0	00144	10000	SLT	4		
00405	0020	00	0	00403	10011	TRA	++3	ONE RECORD INPUT	
00406	0760	00	0	00144	10000	SLN	4	SLN-TWO RECORD INPUT--RESET	
00407	0400	00	4	00001	10000	ADD	1,4	DOUBLE NO. OF INPUTS FOR RECORD COUNT	
00410	0734	00	2	00000	10000	PAX	0,2		
00411	000000000000			00010		BACK	CALL	.FBST.(ZZZ)	
00411	0074	00	4	07000	10011				
00412	1	00001	0	00403	10011				
00413	0	27051	0	00451	10000				
00414	0	00000	0	00423	10001				
00415	0500	00	0	30047	10000	CLA	SKIP		
00416	0402	00	0	03324	10001	SUB	ONE		
00417	0601	00	0	30047	10000	STO	SKIP		
00420	2	00001	2	00411	10001	TIX	BACK,2,1		
00421	0774	00	4	00000	10000	DOUBSR	AXT	++4	
00422	0020	00	4	00002	10000	TRA	2,4		
00423	0	00000	0	04001	10010	PZE	FILE2		
00424	0634	00	4	00451	10001	INPUT	SXA	READ NEXT RECORD FROM	LNK40225
00425	000000000000			00010		CALL	.FWRD.(UN06,TCYCL)*7000		
BINARY CARD ID. NETSIM20									
00425	0074	00	4	10400	10011				
00426	1	00002	0	00404	10011				
00427	0	27051	0	15530	10000				
00430	0	00000	0	14000	10011				
00431	0	00000	0	00564	10001				
00432	0500	00	0	00542	10001	CLA	A(2)		
00433	0074	00	4	14400	10011	TSX	.FCNV,4		
00434	0500	00	0	00544	10001	CLA	C(2)		
00435	0074	00	4	14400	10011	TSX	.FCNV,4		
00436	0500	00	0	00545	10001	CLA	D(2)		

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00437	0074	00	4	14400	10011	TSX	.FCNV,4		
00440	000000000000			00010		CALL	.FFIL.*7000		
00440	0074	00	4	05400	10011				
00441	1	00000	0	05402	10011				
00442	0	27051	0	15530	10000				
00443	0074	00	4	13400	10011	READ	TSX	.READ,4	LNK40227
00444	0	00212	0	04001	10110	PZE	FILE2,EOB2		LNK40228
00445	0	00466	0	00500	10101	PZE	EOB,READ		
00446	2	00400	0	27046	10000	ICUMM	ICORP	NOCNT,256	

BINARY CARD ID. NETSIM21						
00447	4	00001	2 00000	10000	IOCPN	***1
00450	3	00377	0 27446	10000	IOPT	NOCNT+256,,255
00451	0774	00 4	00000	10000	IPTRA	AXT ***0,4
00452	0500	00 0	30047	10000	CLA	SKIP
00453	0400	00 0	03325	10001	ADD	TWO
00454	0601	00 0	30047	10000	STO	SKIP
00455	0020	00 4	00001	10000	TRA	1,4
00456	4500	00 0	00527	10001	CHIOXY	CAL UWEREC
00457	0602	00 0	00446	10001	SLW	ICOMM
00460	0500	00 0	00526	10001	CLA	NOPP
00461	0601	00 0	00447	10001	STO	ICOMM+1
00462	0601	00 0	00450	10001	STO	ICOMM+2
00463	0500	00 0	00531	10001	CLA	MDONE
00464	0621	00 0	00453	10001	STA	IPTRA+2
00465	0020	00 0	00141	10001	TRA	RECSKP
00466	000000000000		00010	10010	IREAD	CALL .FPRN.(BCDE)'1866'
00466	0074	00 4	04000	10011		
00467	1	00001	0 00401	10011		
00470	0	27051	0 03517	10000		
ADD TO NUMBER OF RECORDS READ						
LNU40231						
LNU40232						
LNU40234						
LNU40235						
LNU40236						
LNU40237						
LNU40238						
LNU40239						
LNU40240						
LNU40241						
LNU40242						
LNU40243						
LNU40244						
LNU40245						

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00513	0	27051	0 03524	10000	
00514	0	00000	0 14000	10011	
00515	0	00000	0 00630	10001	
00516	000000000000		00010	10011	CALL .FFIL.
00516	0074	00 4	05400	10011	
00517	1	00000	0 00402	10011	
00520	0	27051	0 00527	10000	
00521	000000000000		00010	10011	CALL .FEFT.(UN03.)
00521	0074	00 4	07400	10011	
00522	1	00001	0 00403	10011	
00523	0	27051	0 00530	10000	
00524	0	00000	0 15400	10011	
00525	0020	00 0	02527	10001	
00526	0761	00 0	00000	10000	TRA WRES
00527	3	00400	0 27046	10000	* STORAGE FOUR SCHEDULE ROUTINE
00530	0	00000	0 00000	10000	NOPP NOP
00530	0	00000	0 00000	10000	ONEREC IOPT
00530	0	00000	0 00000	10000	SNEXT EQU
00530	0	00000	0 00000	10000	ISM PZE
00530	0	00000	0 00000	10000	NOCNT,,256
00530	0	00000	0 00000	10000	NEXT
00530	0	00000	0 00000	10000	0
BINARY CARD ID. NETSIM24					
00531	0	00000	0 03324	10001	WONF PZE
00532	000000000012		10000	M3(M) DEC	ONE
00533	000000000012		10000	M3(M) DEC	10
00534	000000000003		10000	THREE DEC	3
00535	0	00000	0 00000	10000	READP PZE
00536	0	00000	0 00000	10000	NUNIN PZE
00537	0	00000	0 00000	10000	NAMES PZE
00540	000000000375		10000	C253 DEC	253
00541	0	00000	0 00000	10000	RIASLH PZE
00542	0	00000	0 00000	10000	A(2) PZE
00543	0	00000	0 00000	10000	R(2) PZE
00544	0	00000	0 00000	10000	C(2) PZE
00545	0	00000	0 00000	10000	N(2) PZE
00546	0	00000	0 00000	10000	CNTR PZE
00547	200000000001		00001	A1	RSS
00550	200000000001		00001	MGPR	RSS
00551	200000000001		00001	GWPC	RSS
00552	200000000001		00001	A2	RSS
00553	200000000001		00001	B2	RSS
BINARY CARD ID. NETSIM25					
00554	200000000001		00001	B2	RSS
00555	200000000001		00001	B2	RSS
00556	200000000001		00001	A3	RSS
00557	200000000001		00001	A3	RSS
00558	200000000001		00001	A4	RSS

00001	000000000001	00001	B4	BSS	1
00002	000000000001	00001	C4	BSS	1
00003	000000000000	10000	K20	OCY	100000
00004	760730004431	10000	TCYCL	BCI	09, (7M MINPS=,012,5X,7M NCYCS=,012,5X,8M INDICT=,01277777)
00005	454702137346	10000			
00006	010273056773	10000			
00007	073200452370	10000			
00008	230213734601	10000			
00009	027305677310	10000			
00010	020231452431	10000			

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00073	230213734601	10000							
00074	02021616134	10000							
00075	0 00000 0 00000	10000	READS						
00076	0 00000 0 00000	10000	TOTAL						
INDEX FOR MTRY LNK40255									
LTK40256									
31MAY CARD ID: NETSIM26									
00077	0 00000 0 00000	10000	MINPS						
00078	0 00000 0 00000	10000	NCYCS						
00079	0 00000 0 00000	10000	RESC						
00080	760111306031	10000	BCDC	BCI					
00081	434325272143	10000							
00082	503145476443	10000							
00083	604446242561	10000							
00084	616161346060	1000							
00085	76007306051	10000	BCDD	BCI					
00086	213162256062	10000							
00087	312745602231	10000							
00088	636063466051	10000							
00089	254725216360	10000							
00090	452567636031	10000							
00091	454764637360	10000							
00092	303163606263	10000							
00093	215163616161	10000							
00094	613460606060	10000							
00095	760202306031	10000	BCDE	BCI					
1,7/ LNK40263									
7,122H INPUT TAPE UNREADABLE///// LNK									
BINARY CARD ID: NETSIM27									
00096	454764636063	10000							
00097	214725606445	10000							
00098	512521242122	10000							
00099	432561616161	10000							
00100	346060606060	10000							
00101	606060606060	10000							
00102	746151610306	10000	ENDIP	BCI					
00103	306025452460	10000							
00104	462660314547	10000							
00105	646333676231	10000							
00106	446443216331	10000							
00107	464560234644	10000							
00108	474325632533	10000							
00109	606161300134	10000							
00110	0000 00 0 00400	10011	BOF	HTR					
LNK40266									

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* NETORK SIMULATION PROGRAM										LNK40268
* SENSE SWITCH 1 OPERATOR CONTROL OF IMP										LNK40269
* SENSE SWITCH 2 UP DO NOT CONVERT INPUT										LNK40270
* SENSE SWITCH 2 DOWN - CONVERT INPUT										LNK40271
* SENSE LIGHT 1=NEGATIVE G-SET										LNK40272
* SENSE LIGHT 2=CORRECTNESS OF OUTPUT										LNK40273
* SENSE LIGHT 3=CONVERGENCE OF OUTPUT										LNK40274
* INDICATOR BIT 2=OMIT 1 COMPUTE FOR										LNK40275
* ITERATION										LNK40276
* INDICATOR BIT 3=INPUT MODE 1										LNK40277
* INDICATOR BIT 4 = INPUT MODE 2										LNK40278
* INDICATOR BIT 5 = INPUT MODE 3										LNK40279
* INDICATOR BIT 6 = INPUT MODE 4										LNK40280
* INDICATOR BIT 7 ON=MANUAL CHANGE OF MS										LNK40281
* 8 ON=MANUAL CHANGE OF BIAS										LNK40282
* 9 ON = SUM. MODE FOR DECISION PROCEDURE										LNK40283
* 10 OFF=MAXIMUM MODE										LNK40284
* 10 ON=PRINT G-SETS										LNK40285
* MAXIMUM NO. OF ITERATIONS										LNK40286
* TRIALS FOR CONVERGENCE										LNK40287
* SET LEVEL=1										LNK40288
* SET TO FIRST COMPONENT										LNK40289
* SET LEVEL TO 1 FOR PRINTING										LNK40290
* LNK40291										
* LNK40292										
00031										
TRY5 EQU 25										
BEGIN ART 0,1										
LEVIR,1										
ONE										
LEVCT										
BINARY CARD ID: NETSIM28										
00045	0441 00 0 03554	10001	LDI	INDICT						
00046	0655 00 000100	10000	SIR	100						
00047	0057 00 000200	10000	RIR	200						
00048	0604 00 0 03554	10001	STI	INDICT						
00049	0500 00 1 30055	10000	SAVEN	CLA	MS,1					
00050	0601 00 0 03555	10001	STO	OLOMS						
00051	0600 00 1 30063	10000	STZ	BIAS,1						
LEVEL SUMMING-QATWO TOV SIGNAL										
LNK40293										
LNK40294										

00654	0500	00	0	00526	10001	CLA	NOPP		
00655	0601	00	0	01215	10001	STO	REVER1		
00656	0601	00	0	01314	10001	STO	REVER2		
00657	0400	00	0	03336	10001	ZITER	STZ	TRIAL	LNK40295
00660	0774	00	2	00000	10000	LEVIR	AXT	**0.2	BEGINNING OF LEVEL(25TCOMP)
00661	0600	00	0	03334	10001		STZ	OSUM	INITIALIZE OF OUTPUTS
00662	0600	00	0	03343	10001		STZ	COMCT	LNK40296
00663	0774	00	6	00000	10000		AXT	0.6	LNK40297
00664	0634	00	2	00725	10001	RECUM	SXA	AXT2.2	BEGINNING OF COMPONENT
00665	0634	00	1	00726	10001		SXA	LEV1.1	SAVE LEVEL NUMBER
00666	0500	00	0	03343	10001		CLA	COMCT	LNK40300
00667	0400	00	0	03324	10001		ADD	ONE	LNK40301

BINARY CARD ID. NETSIM29									
00670	0601	00	0	03343	10001	STO	COMCT		LNK40303
00671	0500	00	2	30316	10000	CLA	XANDY.2		LNK40304
00672	4734	00	4	00000	10000	PDX	0.4		LNK40305
00673	0634	00	4	03551	10001	SXA	YYYY.4	SAVE YYYY	LNK40306
00674	0634	00	4	00742	10001	SXA	AXT3.4	SAVE NO. OF PRIMARY LINES	LNK40307
00675	1 77764	2	00401	10011	TXI		**1.2,-12	INDEX PAST 12 WORDS	LNK40308
00676	0734	00	4	00000	10000	PAX	0.4	NUMBER OF STATE LINES	LNK40309
00677	0634	00	4	03550	10001	SXA	XXXX.4	SAVE XXXX	LNK40310

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00700	0600	00	0	03335	10001	STZ	TSUM		LNK40309
00701	7 00C00	4	00745	10001	TXL	PRLIN.4.0		TEST FOR ZERO STATE LINES	LNK40310
00702	0441	00	0	03554	10001	LDE	INDICT		
00703	0054	00	000002	10000	RFT	2		TEST 1-COMPUTE BIT	LNK40311
00704	1 00001	1	00401	10011	TXI	**1.1,1		OUTPUT CALCULATED-TAKE NEW VALUE	LNK40312
00705	0500	00	1	30066	10000	CLA	OVAL.1	INDEX FOR DIRECT EFFECTIVE ADDRESS	LNK40313
00706	0737	00	1	00000	10000	PAC	0.1		LNK40314
00707	0560	60	2	30303	10000	SSUM	LDQ*	LINE1.2	LNK40315
				00710		QMPYB	LINE1.2		LNK40316
				00715		QADDA	TSUM.0		LNK40317

BINARY CARD ID. NETSIM30									
00722	0601	00	0	03335	10001	STO	TSUM		LNK40318
00723	1 77777	2	00401	10011	TXI	**1.2,-1			LNK40319
00724	2 00001	4	00707	10001	TXI	SSUM.4.1			LNK40320
00725	0774	00	4	00000	10000	AXT2	AXT	**0.4	BEGINNING OF COMPONENT
00726	0774	00	1	00000	10000	LEV1	AXT	**0.1	LEVEL NUMBER
00727	0560	00	0	03335	10001	LDQ	TSUM		LNK40321
				00730		QMPYA	MS.1		LNK40322

BINARY CARD ID. NETSIM31									
00736	0601	00	4	30306	10000	STO	SVAL.4	SAVE COMPUTED S	LNK40323
00737	0441	00	0	03554	10001	LDE	INJECT		
00740	0056	00	000002	10000	RNT	2		TEST IF 1 IS COMPUTED	LNK40324
00741	0020	00	0	00745	10001	TRA	PRLIN	NO, COMPUTE IT	LNK40325
00742	4774	00	4	00000	10000	AXT3	AXC	YES, INDEX TO NEXT COMPONENT	LNK40326
00743	4634	00	4	00401	10011	SXD	**0.4		LNK40327
00744	1 00C00	2	01010	10001	TXI	OPUT.2.0.0		BY-Y	LNK40328
								-NO. OF PRIMARY LINES(-Y)	LNK40329

00745	0544	00	4	00742	10001	PRLIN	LXA	AXT3.4	CALCULATE AND SAVE COMPUTED I VALUE
00746	7 00C00	4	01010	10001	TXL	OPUT.4.0		NO. OF PRIMARY LINES	LNK40330
00747	0500	00	1	30054	10000	CLA	OVAL-10.1	TEST FOR ZERO PRIMARY LINES	LNK40331
00750	0737	00	1	00000	10000	PAC	0.1	INDEX FOR DIRECT EFFECTIVE ADDRESS	LNK40332
00751	0600	00	0	03335	10001	STZ	TSUM		LNK40333
00752	0500	00	0	01102	10001	CLA	IIST		LNK40334
00753	0601	00	0	01020	10001	STO	ICHANG	SKIP SVAL ON FIRST OUTPUT--GARBAGE	LNK40335
00754	0560	60	2	30303	10000	ISUM	LDQ*		LNK40336
				00755		QMPYB	LINE1.2		LNK40337
				00762		QADDA	TSUM.0		LNK40338

BINARY CARD ID. NETSIM32									
00767	0601	00	0	03335	10001	STO	TSUM		LNK40339
00770	1 77777	2	00401	10011	TXI	**1.2,-1			LNK40340
00771	2 00001	4	00754	10001	TXI	SSUM.4.1			LNK40341
00772	0534	00	4	00725	10001	LXA	AXT2.4	GET BEGINNING OF COMPONENT	LNK40342
00773	0534	00	1	00726	10001	LXA	LEV1.1	GET LEVEL NUMBER	LNK40343
00774	0560	00	0	03335	10001	LDQ	TSUM		LNK40344
				00775		QMPYA	MI.1		LNK40345
				01003		QADDB	BIAS.1		LNK40346
						CALCULATE	0=5+1		LNK40347

BINARY CARD ID. NETSIM33									
01007	0601	00	4	30306	10000	STO	IVAL.4	SAVE COMPUTED I	LNK40348
01010	0534	00	4	00725	10001	OPUT	LXA	AXT2.4	LNK40349
01011	0500	00	1	30066	10000	CLA	OFLIP.1	OUTPUT FLIPFLOP	LNK40350

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01012	0400	00	0	03327	10001	ADD	2NEXT	GET ADDRESS OF OUTPUT	LNK40351
01013	0621	00	0	01037	10001	STA	OLD	OLD OUTPUT IN ADDRESS	LNK40352
01014	0771	00	0	00022	10000	ARS	IR		LNK40353
01015	0621	00	0	01026	10001	STA	NEW	NEW OUTPUT IN DEFR	LNK40354
01016	0500	00	4	30306	10000	CLA	SVAL.4		LNK40355
01017	0140	00	0	00401	10011	TOV	**1		LNK40356
01020	0761	00	0	00000	10000	ICHANG	NOP		LNK40357
01021	0767	00	0	00010	10000	ALS	8		
01022	0120	00	0	00403	10011	TPL	**3	TEST OFR POSITIVE OVERFOLW	LNK40358
01023	4754	00	0	00000	10000	PXD	0.0		
01024	0100	00	0	00402	10011	TZE	**2	SKIP SATURATION FOR NEGATIVE OVERFOLW	LNK40359
01025	0140	00	0	01136	10001	TOV	SAT		
01026	0601	00	4	00000	10000	NEW	STO	STORE NEW OUTPUT VALUE	LNK40360
				01027		QATMD	OSUM.0	ADD TO SUM	LNK40361

BINARY CARD ID. NETSIM34

01034	0601	00	0	03331	10001	STO	DSUM			
01035	4520	00	0	03336	10001	NZT	TRIAL			LNK40367
01036	007C	00	0	01056	10001	TRA	MRCOMP			
01037	0500	00	4	00000	10000	CLA	**0.4	SKIP CONVERGENCE TEST -- FORCE ITERATION		
01040	0402	00	0	01026	10001	SUB*	NEW	COMPARE OLD VALUF		LNK40368
01041	0560	00	0	03323	10001	LDO	ZERO	WITH NEW VALUE		LNK40369
01042	0221	00	0	01037	10001	DVP*	OLD	COMPUTE (OLD-NEW)/OLD		LNK40370
01043	0760	00	0	00012	10000	DCT				LNK40371
01044	0020	00	0	01044	10001	TRA	OFF+1			LNK40372
01045	0131	00	0	00000	10000	XCA		ON		LNK40373
01046	0760	00	0	00003	10000	SSP		OFF		LNK40374
				01047		OSOME	FPSLN,0	HAS OUTPUT CONVERGED		LNK40375

BINARY CARD ID. NETSIM35

01054	4120	00	0	00402	10011	TMJ	**2	YES		LNK40377
01055	0760	00	0	00143	10000	SLN	3	NO, SET SWITCH		LNK40378
01056	0500	00	2	30303	10000	MRCOMP	CLA	NO, GET NEXT ONE		LNK40380
01057	0120	00	0	00464	10001	TPL	DECOM	NO. OF TRIES		LNK40383
01060	0534	00	4	03336	10001	LXA	TRIAL,4	TEST FOR FIRST ITERATION		LNK40384
01061	3	00000	4	01071	10001	TRH	TRI,4,0			
01062	0441	00	0	03554	10001	LDI	INDICT			
01063	0055	00	0	000002	10000	SIR	2	YES-SET BIT TO OMIT 1 COMPUTED		LNK40385
01064	0500	00	0	01103	10001	CLA	12ND			
01065	0601	00	0	01020	10001	STD	ICHANG			
01066	0604	00	0	03554	10001	STJ	INDICT			
01067	0774	00	4	05031	10000	ART	TRYS,4	SET UP LOOP		LNK40386
01070	0020	00	0	00404	10011	TRA	**4			
01071	4760	00	0	00143	10000	SLT	3	TEST FOR CONVERGENCE		
01072	0020	00	0	01161	10001	TRA	STABL	OFF-CONVERGENCE		LNK40382
01073	4	00001	4	01104	10001	TRX	UNSTA,4,1	TEST FOR MAXIMUM TRIES FOR CONVERGENCE		
01074	0634	00	4	03336	10001	SXA	TRIAL,4	NOT ENOUGH		LNK40388

BINARY CARD ID. NETSIM36

01075	0534	00	1	00726	10001	LXA	LEV1,1	REVERSE OFLIP		LNK40389
01076	0560	00	1	30065	10000	LDO	OFLIP,1			LNK40390
01077	4774	00	0	00022	10000	ROL	18			LNK40391
01100	4600	00	1	30065	10000	STO	OFLIP,1			LNK40392
01101	0020	00	0	00660	10001	TRA	LEVIR	START LEVEL AGAIN		LNK40393
01102	0500	00	4	30305	10000	11ST	CLA			
01103	0400	00	4	30305	10000	12ND	ADD			

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01104	0020	00	0	0110.	10001	* LEVEL IS UNSTABLE. REDUCE MS				
01105	0500	00	1	30055	10000	UNSTA	TRA	UNSI		LNK40394
01106	0402	00	0	30052	10000	UNSI	CLA	MS,1		LNK40405
01107	0120	00	0	00402	10011	SUB	MSTEP			LNK40406
01110	4754	00	0	00000	10000	TPL	**2			LNK40407
01111	0601	00	1	30035	10000	PKD	0,0			LNK40408
01112	0601	00	0	03546	10001	UNSI	STO	MS,1	STORE NEW MS	LNK40409
01113	000000000000			00010		STD	AAA			LNK40410
01115	0074	00	4	03400	10011	CALL	BTOF'AAA,=5,AAA)'2047'			LNK40411
01114	1	00003	0	00405	10011					
01115	0	27051	0	03777	10000					
01116	0	00000	0	03546	10001					

BINARY CARD ID. NETSIM37

01117	0	00000	0	03611	10001					
01120	0	00000	0	03546	10001					
01121	000000000000			00010		CALL	.FNRD,1,UN06.,RCD1)'2048'			LNK40412
01121	0074	00	4	10400	10011					
01122	1	00002	0	00404	10011					
01123	0	27051	0	04000	10000					
01124	0	00000	0	14000	10011					
01125	0	00000	0	03124	10001					
01126	0500	00	0	03342	10001	CLA	LEVCT			LNK40413
01127	0074	00	4	14400	10011	TSX	.FCNV,4			LNK40414
01130	0500	00	0	03546	10001	CLA	AAA			LNK40415
01131	0074	00	4	14400	10011	TSX	.FCNV,4			LNK40416
01132	000000000000			00010		CALL	.FFIL,2048'			LNK40417
01132	0074	00	4	05400	10011					
01133	1	00000	0	00402	10011					
01134	0	27051	0	04000	10000					
01135	0020	00	0	00657	10001	SAT	TRA	ZITER	START LEVEL AGAIN	LNK40418
01136	0500	00	0	03612	10001	CLA		=037777777777		
01137	0020	00	0	01026	10001	TRA	NEW			

BINARY CARD ID. NETSIM38

01140	200000000000			00001	DP2	BSS	1			
01141	200000000000			00001	HOLD	BSS	1			
01142	200000000000			00001	SHT	BSS	1			
01143	740301306046			10000	SMFOTF	BCI	7,131H OUTPUT OF COMPONENT TO LARGE =,F9,4)			
01144	646347646360			10000						
01145	462660234644			10000						
01146	474645254563			10000						
01147	606346604321			10000						
0115.	512725601373			10000						
01151	761133043460			10000						
01152	74020406031			10000	ADUUTP	RCI	6,124H IVAL+5VAL IS TO LARGE =,F9,4)			
01153	652143206265			10000						
01154	71436016260			10000						
01155	634660432151			10000						
01156	272560137326			10000						
01157	113304346060			10000						
01160	0	00000	0	00000	10000	HOLD	PZF	0		
01161	0057	00	0	00002	10000	* OUTPUT IS	NOW	STABLE-TEST FOR RANGE		LNK40419
01162	0760	00	0	00016	10000	STABL	RIR	2	RESET BIT FOR 1-COMPUTE	LNK40420
						LTM				

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BINARY CARD ID. NETSIM39

01163	0604	00	0	03554	10001	STI	INDICT
01164	0560	00	1	30064	10000	LDO	ESUM,1
01165	0200	00	0	03322	10001	MPY	TENTH
01166	0601	00	0	03353	10001	STO	TEMP
01167	0500	00	1	30064	10000	CLA	ESUM,1
01170	0402	00	0	03334	10001	SUB	OSUM
01171	4340	00	0	03353	10001	LAS	TEMP
01172	0020	00	0	01175	10001	TRA	AJUST
01173	0020	00	0	01577	10001	TRA	ACCEPT
01174	0020	00	0	01577	10001	TRA	ACCEPT
01175	0441	00	0	01524	10001	AJUST	LDI
01176	0601	00	0	01534	10001	STO	BCONTL
01177	0054	00	0	000004	10000	RFT	DIFF2B
01200	0020	00	0	01310	10001	TRA	ITER
01201	0054	00	0	000002	10000	RFT	2
01202	0020	00	0	01244	10001	TRA	AJUST2
01203	0054	00	0	000001	10000	RFT	1
01204	0020	00	0	01227	10001	TRA	AJUST1
01205	0601	00	0	01533	10001	AJUSTO	STO

GET RANGE OF
PERMISSIBLE OUTPUT LNK40421
LNT40422
LNT40423
(ESUM-OSUM) 424
GET DIFFERENCE 425
IS (OUTPUT IN RANGE) LNK40426
NO-ADJUST BIAS LNK40427
YES LNK40428
YES LNK40429
BIAS CONTROL WORD

BINARY CARD ID. NETSIM40

01206	0131	00	0	00000	10000	XCA	
01207	4754	00	0	00000	10000	PKD	0,0
01210	0221	00	0	03343	10001	DVP	COMCT
01211	0131	00	0	00000	10000	XCA	
01212	0560	00	0	01533	10001	LDO	DIFF1B
01213	0763	00	0	00000	10000	LLS	0
01214	0771	00	0	00003	10000	ARS	3
01215	0761	00	0	00000	10000	REVER1	NOP
01216	0601	00	0	01530	10001	STO	DB1
01217	0400	00	1	30063	10000	ADD	BIAS,1
01220	0601	00	1	30063	10000	STO	BIAS,1
01221	0055	00	0	000001	10000	SIR	1
01222	0604	00	0	01524	10001	STI	HCONTL
01223	0500	00	0	03334	10001	CLA	OSUM
01224	0601	00	0	01525	10001	STO	OSUM1
01225	0500	00	1	30063	10000	CLA	BIAS,1
01226	0020	00	0	01535	10001	TRA	AJ2
01227	0601	00	0	01534	10001	AJUST1	STO
01230	0500	00	0	03334	10001	CLA	OSUM

(OSUM-ESUM)
= OF COMPONENTS THIS LEVEL - B(6)
ATTACH SIGN FOR CHANGE
R(6) TO B(9)
CMS (INSERTED IF(OSUM2-OSUM1) SIGN DIFFEREN
FROM SIGN GIVEN TO DBIAS
BIAS=0, EXCEPT WHEN OVERFLOW OF OSUM WAS ON
BIAS CONTROL-SIGNALS AJUST 1 FOR NEXT AJUS
BASE OSUM FOR TESTING IN LATER AJUSTMENTS
RFTURN
B6
TEST TO SEE IF DB HAS SAME DIRECTION

BINARY CARD ID. NETSIM41

01231	0340	00	0	01525	10001	CAS	OSUM1
01232	0020	00	0	00402	10011	TRA	++2
01233	0020	00	0	01476	10001	TRA	OIE002
01234	0402	00	0	01525	10001	SUB	OSUM1
01235	0601	00	0	01531	10001	STO	DOSUM
01236	0560	00	0	01531	10001	LDO	DIFF1B
01237	4120	00	0	00403	10011	TMI	++3
01240	0162	00	0	00403	10011	TOP	++3
01241	0020	00	0	01337	10001	TRA	REVSIN
01242	0162	00	0	01332	10001	TOP	REVSIN
01243	0020	00	0	00402	10011	TRA	++2
01244	0601	00	0	01534	10001	AJUST2	STO
01245	0500	00	0	01534	10001	CLA	DIFF2B

COMPARE FOR SAME
THE SAME --- OUTPUTS SATURATED
OF CHANGE AS DOSUM. IF NOT SIGN
ATTACHMENT INSTR FOR DB WILL BE REVERSED.
B6
BOTH PLUS
DIFFER-REVERSE DB SIGN CODING
TEST (OSUM2-ESUM1) WITH (OSUM1-ESUM)
TO SEE IF OSUM2 HAS REACHED OPPOSITE SIDE.

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01246	0560	00	0	01533	10001	LDO	DIFF1B
01247	4120	00	0	00403	10011	TMI	++3
01250	0162	00	0	00403	10011	TOP	++3
01251	0020	00	0	01302	10001	TRA	AJUST4
01252	0162	00	0	01302	10001	TOP	AJUST4
01253	0500	00	0	01532	10001	CLA	PCENTB

SAME SIGN-OSUM2 MUST BE FURTHER CHANGED
BOTH BOUNDRIES ABOUT ESUM FOUND
START ITER. TO REDUCE TO PROPER AMOUNT.

BINARY CARD ID. NETSIM42

01254	0100	00	0	00403	10011	TZE	++3
01255	0500	00	0	01530	10001	CLA	DB1
01256	0020	00	0	01274	10001	TRA	SET2
01257	4754	00	0	00000	10000	PKD	0,0
01260	0131	00	0	00000	10000	XCA	
01261	0500	00	0	01531	10001	CLA	DOSUM
01262	0221	00	0	01533	10001	DVP	DIFF1B
01263	0760	00	0	00012	10000	DCT	
01264	0020	00	0	01511	10001	TRA	LARGE
01265	4600	00	0	01532	10001	STO	PCENTB
01266	0500	00	0	01530	10001	CLA	DB1
01267	0221	00	0	01532	10001	DVP	PCENTB
01270	0760	00	0	00012	10000	DCT	
01271	0020	00	0	01320	10001	TRA	SMALCH
01272	0131	00	0	00000	10000	XCA	
01273	0402	00	0	01530	10001	SUB	DB1
01274	0601	00	0	01530	10001	SET2	STO
01275	0055	00	0	000007	10000	SIR	2
01276	0604	00	0	01524	10001	STI	HCONTL

AMOUNT OF CHANGE FOR DB USED
AMOUNT REQUIRED
PCENT GREATER THAN ONE

H0
P9
R0
R9-B0+B9(MQ)
OVERFLOW-GREATER THAN B9

SAVE DB FOR ITER FOR OSUM OVERFLOW
SET CONTROL FOR AJUST2

BINARY CARD ID. NETSIM43

01277	0400	00	0	30063	10000	ADD	BIAS,1
01300	0140	00	0	01470	10001	TOV	TOBIG1
01301	0020	00	0	01535	10001	TNA	AJ2
01302	0500	00	0	01530	10001	AJUST4	CLA

BIAS=0, EXCEPT WHEN OSUM OVERFLOWS
RETURN
DB RANGE-ITERATE TO FIND CORRECT VALUE

01303	0700	00	0	00003	10000	SSP			
01304	0601	00	0	01522	10001	STO	RANGE		
01305	0055	00	0	000004	10000	SIR	4	SET CONTROL FOR AJUST4	
01306	0404	00	0	01524	10001	STI	BCONTL		
01307	0601	00	0	01527	10001	STO	BITER		
01310	0500	00	0	01527	10001	ITER4	CLA		
01311	0771	00	0	00001	10000	ARS	1	ITERATE IN 1/2 STEPS IN RANGE OF DB	
01312	0560	00	0	01534	10001	LDQ	DIFF2B		
01313	0763	00	0	00000	10000	LLS	0		
01314	0761	00	0	00000	10000	REVER2	NOP	CHS INSERTED IF DB CHANGES INVERSELY	
01315	0401	00	0	01527	10001	STO	BITER		
01316	0400	00	1	30063	10000	ADD	BIAS,1	TO DOSUM.	
01317	0020	00	0	01535	10001	TRA	AJ2		
01320	0765	00	0	00000	10000	SMALCH	LRS	SAVE SIGN	
01321	0054	00	0	000002	10000	RFT	2		
BINARY CARD ID. NETSIM44									
01322	0020	00	0	01326	10001	TRA	SMALC2	ON	
01323	0500	00	0	03613	10001	CLA	=00100000000000	SET DB=128/, B(9)	
01324	0763	00	0	00000	10000	LLS	0	ATTACH SIGN 0- DB	
01325	0020	00	0	01274	10001	TRA	SET2	SAVE FOR NEXT INCREASE	
01326	0500	00	0	01530	10001	SMALC2	CLA	TRUE BIAS VALUE	
01327	0400	00	1	30063	10000	ADD	BIAS,1	DOUBLE DB1	

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01330	0140	00	0	01470	10001	TOV	TOBIG1		
01331	0020	00	0	01535	10001	TRA	AJ2		
01332	0500	00	0	01523	10001	REVSTN	CLA	CMGSH	
01333	0054	00	0	000010	10000	RFT	10		
01334	0500	00	0	00526	10001	CLA	NOPP		
01335	0401	00	0	01215	10001	STO	REVER1		
01336	0601	00	0	01314	10001	STO	REVER2		
01337	0054	00	0	000010	10000	RFT	10		
01340	0020	00	0	01351	10001	TRA	RESET		
01341	0055	00	0	000010	10000	SIR	10		
01342	0604	00	0	01524	10001	STI	BCONTL		
01343	0500	00	0	01530	10001	CLA	DB1		
01344	0760	00	0	00002	10000	CHS			
BINARY CARD ID. NETSIM45									
01345	0601	00	0	01530	10001	STO	DB1		
01346	0767	00	0	00001	10000	ALS	1		
01347	0400	00	1	30063	10000	ADD	BIAS,1		
01350	0020	00	0	01535	10001	TRA	AJ2		
01351	0057	00	0	000010	10000	RESET	RIR	10	ITERATE BETWEEN /2*DB1/
01352	0604	00	0	01524	10001	STI	BCONTL		
01353	0500	00	0	01530	10001	CLA	DB1		
01354	0760	00	0	00002	10000	CHS			
01355	0400	00	1	30063	10000	ADD	BIAS,1		
01356	0601	00	1	30063	10000	STO	BIAS,1		
01357	0500	00	0	01530	10001	CLA	DB1		
01360	0760	00	0	00002	10000	CHS			
01361	0771	00	0	00001	10000	ARS	1		
01362	0601	00	0	01530	10001	STO	DB1		
01363	0400	00	1	30063	10000	ADD	BIAS,1		
01364	0020	00	0	01535	10001	TRA	AJ2		
01365	0441	00	0	01524	10001	ITER	LDI	BCONTL	
01366	0601	00	0	01534	10001	STO	DIFF2B		SAVE SIGN OF OSUM
01367	0054	00	0	000004	10000	RFT	4		

BINARY CARD ID. NETSIM46									
01370	0020	00	0	01310	10001	TRA	ITER4	REDUCE LAST DB BY HALF	
01371	0054	00	0	000002	10000	RFT	2		
01372	0020	00	0	01403	10001	TRA	ITER2		
01373	0056	00	0	000001	10000	RFT	1		
01374	0020	00	0	01413	10001	TRA	ITER0	AJUST HAS NOT BEEN CALLED YET	
01375	0402	00	0	01525	10001	ITER1	SUB	OSUM1	OVERFLOW AFTER 1ST PASS OF AJUST
01376	0560	00	0	01533	10001	LDQ	DIFF1B	TEST FOR CORRECT DIRECTION OF CHANGE	
01377	4120	00	0	00403	10011	TNI	++3		
01400	0162	00	0	00403	10011	TOP	++3	BOTH POSITIVE-OK	
01401	0020	00	0	01332	10001	TRA	REVSTN	DB1 SIGN WRONG-CHANGE SIGN T	
01402	0162	00	0	01332	10001	TOP	REVSTN		
01403	0300	00	0	01530	10001	ITER2	CLA	REDUCE DB1 BY HALF	
01404	0771	00	0	00001	10000	ARS	1		
01405	0601	00	0	01530	10001	STO	DB1		
01406	0402	00	1	30063	10000	SUB	BIAS,1	ADJUST BIAS TO REPRESENT DB1/2	
01407	0760	00	0	00002	10000	CHS		PLUS INITIAL BIAS=BIAS-DB1	
01410	0055	00	0	000002	10000	SIR	2		
01411	0604	00	0	01524	10001	STI	BCONTL		
01412	0020	00	0	01535	10001	TRA	AJ2		

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BINARY CARD ID. NETSIM47									
01413	0601	00	0	01525	10001	ITER0	STO	OSUM1	SAVE SIGN OF OSUM OVERFLOW
01414	0500	00	1	30063	10000	CLA	BIAS,1		
01415	4100	00	0	01433	10001	TNI	ITER01	1ST BIAS CHANGE THIS LEVEL	
01416	0500	00	0	03343	10001	CLA	COMCT	= COMPONENTS THIS OVERFLOW	
01417	0601	00	0	01526	10001	STO	COMCT1	B(10)	
01420	0500	00	0	03614	10001	CLA	=03774000000000	B(9)	
01421	0131	00	0	00000	10000	XCA			
01422	4754	00	0	00000	10000	PXD	0,0		
01423	0221	00	0	01526	10001	DVP	COMCT1	H(9)-H(10)=B(9),M0	
01424	0763	00	0	00003	10000	LLS	3	H(6)	
01425	0131	00	0	00000	10000	XCA			
01426	0560	00	0	01525	10001	LDQ	OSUM1		

01427	0763	00	0	00000	10000	LLS	0	
01430	0760	00	0	00002	10000	CHS		
01431	0601	00	0	01530	10001	STO	DB1	
01432	0020	00	0	01535	10001	TRA	AJZ	
01433	0500	00	0	03334	10001	ITER01 CLA	OSUM	MORE OVERFLOW
01434	0560	00	0	01525	10001	LDO	OSUM1	TEST FOR SIGN CHANGE IN OVERFLOW
01435	4120	00	0	00403	10011	TMI	++3	

BINARY CARD ID. NETSIM48									
01436	0162	00	0	00403	10011	TOP	++3	SAME SIGN	
01437	0020	00	0	01451	10001	TRA	TOBIG	REDUCE DB1-DIFFERENT SIGNS	
01440	0162	00	0	01451	10001	TOP	TOBIG		
01441	0500	00	0	03343	10001	CLA	COMCT	SAME SIGN-COMPARE = COMP. IN SUM	
01442	0340	00	0	01526	10001	AS	COMCT1	TEST FOR DIRECTION OF CHANGE	
01443	0020	00	0	01457	10001	TRA	REVS	WRONG-REVERSE SIGN OF DB1	
01444	0020	00	0	01457	10001	TRA	REVS	UNDECIDED-TRY REVERSED SIGN	
01445	0500	00	0	01530	10001	CLA	DB1	OK-MAKE DB1 LARGER	
01446	0400	00	1	30063	10000	ADD	BIAS,1		
01447	0140	00	0	01464	10001	TOV	BSAT		
01450	0020	00	0	01535	10001	TRA	AJZ		
01451	0500	00	0	01530	10001	TOBIG CLA	DB1		
01452	0771	00	0	00001	10000	ARS	1	REDUCE DB1 BY HALF	
01453	0601	00	0	01530	10001	STO	DB1		
01454	0402	00	1	30063	10000	SUB	BIAS,1	REDUCE BIAS BY HALF DB1	
01455	0760	00	0	00002	10000	CHS			
01456	0020	00	0	01535	10001	TRA	AJZ		
01457	0500	00	0	01530	10001	REVS CLA	DB1	CHANGE SIGN OF DB1 AND	
01460	0771	00	0	00001	10000	ARS	1	INCREASE THE BIAS BY TWO DB1	

BINARY CARD ID. NETSIM49									
01461	0400	00	0	01530	10001	ADD	DB1		
01462	0601	00	0	01530	10001	STO	DB1		
01463	0020	00	0	01332	10001	TRA	REVSIN		
01464	0131	00	0	00000	10000	BSAT	XCA		
01465	0500	00	0	03614	10001	CLA	=0377400000000		
01466	0763	00	0	00000	10000	LLS	0		
01467	0020	00	0	01535	10001	TRA	AJZ		
01470	0500	00	0	01530	10001	TOBIG1 CLA	DB1		
01471	0771	00	0	00001	10000	ARS	1		
01472	0601	00	0	01530	10001	STO	DB1		
01473	0400	00	1	30063	10000	ADD	BIAS,1		
01474	0140	00	0	01470	10001	TOV	TOBIG1		
01475	0020	00	0	01535	10001	TRA	AJZ		

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01476	0500	00	0	01530	10001	01EQ02 CLA	DB1	
01477	0767	00	0	00001	10000	ALS	1	
01500	0601	00	0	01530	10001	STO	DB1	
01501	0400	00	1	30063	10000	ADD	BIAS,1	
01502	0140	00	0	01504	10001	TOV	TOBIG2	
01503	0020	00	0	01535	10001	TRA	AJZ	

BINARY CARD ID. NETSIM50									
01504	0500	00	0	03615	10001	TOBIG2 CLA	=0377700000000		
01505	0560	00	0	01530	10001	LDO	DB1		
01506	0763	00	0	00000	10000	LLS	0		
01507	0601	00	0	01530	10001	STO	DB1		
01510	0020	00	0	01535	10001	TRA	AJZ		
01511	000000000000			00010	LARGE CALL		.FWRD.(.UN06.,BIAS)		
01511	0074	00	4	10400	10011				
01512	1	00002	0	00404	10011				
01513	0	27051	0	01504	10000				
01514	0	00000	0	14000	10011				
01515	0	00000	0	03163	10001				
01516	000000000000			00010	CALL		.FFIL.		
01516	0074	00	4	05400	10011				
01517	1	00000	0	00402	10011				
01520	0	27051	0	01505	10000				
01521	0020	00	0	01401	10011	TRA	NETSIM+1		
01522	0	00000	0	00000	10000	RANGE PZE	0		
01523	0760	00	0	00002	10000	CHGSM CHS			
01524	0	00000	0	00000	10000	BCONTL PZF	0		

BINARY CARD ID. NETSIM51									
01525	0	00000	0	00000	10000	OSUM1 PZE	0		
01526	0	00000	0	00000	10000	COMCT1 PZE	0		
01527	0	00000	0	00000	10000	ITER PZE	0		
01530	0	00000	0	00000	10000	DB1 PZE	0		
01531	0	00000	0	00000	10000	DOSUM PZE	0		
01532	0	00000	0	00000	10000	PCENTB PZE	0		
01533	0	00000	0	00000	10000	DIFF1B PZE	0		
01534	0	00000	0	00000	10000	DIFF2B PZE	0		
01535	0601	00	1	30063	10000	A	BIAS,1		
01536	0601	00	0	03546	10001	STO	AAA		
01537	0441	00	0	03554	10001	LDI	INDICT	RESET FOR 1-COMPUTED BECAUSE OF CALL TO	LNK40446
01540	0057	00	0	000002	10000	RIR	2	ADJUST BYPASSING STABLE **	
01541	0604	00	0	03554	10001	STI	INDICT		
01542	0500	00	0	00541	10001	CLA	BIASCH	INCREMENT BIAS CHANGE COUNTER	
01543	0400	00	0	03324	10001	ADD	ONE		
01544	0601	00	0	00541	10001	STO	BIASCH		
01545	0500	00	0	03355	10001	CLA	ULDMS	USE ORIGINAL MS	LNK40447
01546	0601	00	1	30055	10000	STO	MS,1		LNK40448
01547	0500	00	0	03200	10001	CLA	KEYS	TEST FOR BIAS CHANGE PRINTOUT	

BINARY CARD ID. NETSIM52									
01550	4320	00	0	00561	10001	ANA	K20	KEY 20 -- YES IF A ONE BIT	
01551	0100	00	0	00651	10001	TZE	ZITER		
01552	000000000000			00010	AJ3 CALL		BTDF(AAA,*9,AAA)		
01552	0074	00	4	03400	10011				
01553	1	00003	0	00405	10011				
01554	0	27051	0	01537	10000				

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01555	0 00000 0 03546	10001				
01556	0 00000 0 03616	10001				
01557	0 00000 0 03546	10001				
01560	000000000000	00010	CALL	.FMRD.1.UN06.,BCDB1*2091*		LNK40450
01560	0074 00 4 10400	10011				
01561	1 00002 0 00404	10011				
01562	0 27051 0 04053	10000				
01563	0 00000 0 14000	10011				
01564	0 00700 0 03145	10001				
01565	0500 00 0 03342	10001	CLA	LEVCT		LNK40451
01566	0074 00 4 14400	10011	TSX	.FCNV.,4		LNK40452
01567	0500 00 0 03546	10001	CLA	AAA		LNK40453
01570	0074 00 4 14400	10011	TSX	.FCNV.,4		LNK40454
BINARY CARD ID. NETSIM53						
01571	0500 00 0 01524	10001	CLA	BCONTL		
01572	0074 00 4 14400	10011	TSX	.FCNV.,4		
01573	000000000000	00010	CALL	.FFIL.*2091*		LNK40455
01573	0074 00 4 05400	10011				
01574	1 00000 0 00402	10011				
01575	0 27051 0 04053	10000				
01576	0020 00 0 00657	10001				
01577	0534 00 1 00726	10001	TRA	ZITER	RE-COMPUTE LEVEL	LNK40456
01600	0600 00 0 01532	10001	ACCEPT	LXA	LEVEL IS ACCEPTABLE	LNK40457
01601	0600 00 0 01524	10001		STZ	GET LEVEL NUMBER	LNK40458
01602	0560 00 1 30066	10000		STZ		
01603	4773 00 0 00022	10000		LDQ		LNK40459
01604	4500 00 1 30065	10000		POL		LNK40460
01605	4765 00 0 00022	10000		CAL		LNK40461
01606	0621 00 1 30066	10000		LGR		LNK40462
01607	4600 00 1 30065	10000		STA	PUT NEW OUTPUT INDEX INTO OVAL	LNK40463
01610	0074 00 4 02607	10001		STQ	OLD OVAL INDEX INTO FLIPFLOP	LNK40464
01611	0500 00 2 30303	10000		TSX		LNK40465
01612	0100 00 0 01620	10001	* PRIT OUTPUT FROM LEVEL			LNK40466
			CLA	NEXT,2	CHECK FOR LAST LEVEL	LNK40467
			TZE	ULTIM	YES	LNK40468
BINARY CARD ID. NETSIM54						
01613	0634 00 2 00660	10001	SXA	LEVCT,2	SAVE BEGINNING OF NEW LEVEL	LNK40469
01614	0500 00 0 03324	10001	CLA	ONE	INCREMENT NEW LEVEL NO FOR PRINT	LNK40470
01615	0400 00 0 03342	10001	ADD	LEVCT		LNK40471
01616	0601 00 0 03342	10001	STO	LEVCT		LNK40472
01617	1 77766 1 00651	10001	TXI	SAVEN,1,-10	INCREMENT LEVEL AND	LNK40473
					BEGIN NEW ONE	LNK40474
01620	0500 00 1 30066	10000	* CONSOLIDATE OUTPUT INTO SMALLER STRING			LNK40475
01621	0737 00 1 00000	10000	ULTIM	CLA		LNK40476
01622	0441 00 0 03554	10001		PAC	LOAD PROPER OUTPUT WORD	LNK40477
01623	0057 00 000100	10000		LDI		
01624	0055 00 000200	10000		RIR		
01625	0664 00 0 03554	10001		STR	STRING SUMMING-QATWO TOV SIGNAL	
01626	0535 00 2 00660	10001		STJ		
01627	0754 00 2 00000	10000		INDICT		LNK40478
01630	0400 00 0 03327	10001		LAC	LEVCT,2	LNK40479
01631	0774 00 2 00000	10000		PXA	INDEX OF FIRST COMP IN ADDR	LNK40480
01632	0600 00 2 03362	10001	ELTS	ADD	ADDRESS OF FIRST COMP IN ADDR	LNK40481
				AXT	INITIALIZE STRING INDEX	LNK40482
				STZ	SET NEW STRING ELEMENT TO ZERO	

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01633	0534 00 4 03337	10001				
01634	0621 00 0 01636	10001	NEWAD	LXA	M,4	INDEX FOR M COMPONENTS
01635	0621 00 0 01645	10001		STA	ADELT	STORE ADDRESS OF
				STA	NELT	NEXT COMPONENT
BINARY CARD ID. NETSIM55						
01636	0500 00 1 30303	10000	ADELT	CLA	NEXT,1	ADD OUTPUT OF M COMPS
	01637			QATWO	STRING,2	LNK40486
01644	0601 00 2 03362	10001		STO	STRING,2	LNK40487
01645	0500 00 0 30303	10000	NELT	CLA*	NEXT	GET NEXT ELEMENT
01646	0100 00 0 01652	10001		TZE	SMALL	END OF OUTPUT
01647	0500 00 0 01645	10001		CLA*	NELT	GET ADDRESS OF ONEXT COMPONENT
01650	2 00001 4 01634	10001		TXI	NEWAD,4,1	ADD NEXT ELEMENT
01651	1 77777 2 01632	10001		TXI	ELTS,2,-1	INDEX TO NEXT OUTPUT ELEMENT
			* DECISION PROCEDURE FOR FIX-FORGETS			LNK40493
01652	0600 00 0 03354	10001	SMALL	STZ	CMSUM	SET COMPARISON SUM EQUAL TO ZERO
01653	0441 00 0 03554	10001		LDI	INDICT	LNK40494
01654	0054 00 000400	10000		RFT	400	LNK40496
01655	0020 00 0 01715	10001		TRA	MSHEND*1	LNK40497
01656	0634 00 1 01714	10001		SXA	MSHEND,1	LNK40498
01657	0774 00 1 00000	10000		AXT	0,1	LNK40499
01660	0600 00 0 03433	10001		STZ	MSHCTR	LNK40500
BINARY CARD ID. NETSIM56						
01661	1 77777 2 00401	10011		TXI	**1,2,-1	LNK40501
01662	4634 00 2 01713	10001		SKD	MISH2,2	LNK40502
01663	0500 00 0 03433	10001	MSHLP	CLA	MSHCTR	LNK40503
01664	0400 00 0 03324	10001		ADD	ONE	LNK40504
01665	0601 00 0 03433	10001		STO	MSHCTR	LNK40505
01666	0500 00 1 03362	10001		CLA	STRING,1	LNK40506
01667	0601 00 0 03546	10001		STO	AAA	LNK40507
01670	000000000000	00010	CALL	BTOF(AAA,*6,AAA)*2151*		40508
01670	0074 00 4 03400	10011				
01671	1 00003 0 00405	10011				
01672	0 27051 0 04147	10000				
01673	0 00000 0 03546	10001				
01674	0 00000 0 03617	10001				
01675	0 00000 0 03546	10001				
01676	000000000000	00010	CALL	.FMRD.1.UN06.,MISH11*2151*		LNK40509
01676	0074 00 4 10400	10011				
01677	1 00002 0 00404	10011				
01700	0 27051 0 04147	10000				
01701	0 00000 0 14000	10011				

BINARY CARD ID. NETSIM57

01702	0 0000 0 03177	10001				
01703	0500 00 0 03433	10001	CLA	PSNCTR		LNK40510
01704	0074 00 4 14400	10011	TSX	.FCNV.,4		LNK40511
01705	0500 00 0 03546	10001	CLA	AAA		LNK40512
01706	0074 00 4 14400	10011	TSX	.FCNV.,4		LNK40513
01707	000000000000	00010	CALL	.FFIL.*2151*		LNK40514
01707	0074 00 4 05400	10011				
01710	1 00000 0 00402	10011				
01711	0 27051 0 04147	10000				
01712	1 77777 1 00401	10011	TXI	*+1,1,-1		LNK40515
01713	3 00000 1 01443	11011	TXM	PSNLP,1,0,0		LNK40516
	1 00003 7 00001	11010				

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01714	0774 00 1 00000	10011	PSNEND	AXT	*+0,1		LNK40517
	1 00001 7 00001	11010					
01715	4614 00 2 01732	10001	SXD	OPEND,2		SET UP LOOP FOR STRING	LNK40518
01716	0535 00 4 27050	10000	LAC	KEY,4		GET KEY ELEMENT	LNK40519
01717	1 00001 4 00401	10011	TXI	*+1,4,1			LNK40520
01720	0540 00 4 03362	10001	LDD	STRING,4		FOR COMPARISON	LNK40521
01721	0600 00 4 03362	10001	STZ	STRING,4			LNK40522

BINARY CARD ID. NETSIM58

01722	0774 00 4 00000	10000		AXT	0,4	INITIALIZE COMPARISON	LNK40523
01723	0500 00 4 03362	10001	CMP	CLA	STRING,4	TEST COMPARISON MODE	LNK40524
01724	0441 00 0 03554	10001	LDI	INDICT			
01725	0054 00 000400	10000	RFT	400			LNK40525
01726	0400 00 0 03354	10001	ADD	CNSUM		SUMMATION MODE-ADD ELTS	LNK40526
01727	0040 00 0 01754	10001	TLQ	FORGET		TEST FOR FIX OR FORGET	LNK40527
01730	0601 00 0 03354	10001	STU	CNSUM			LNK40528
01731	1 77777 4 00401	10011	TXI	*+1,4,-1			LNK40529
01732	3 00000 4 01723	10001	OPEND	TXM	CNP,4,000	TEST FOR END OF STRING	LNK40530
01733	000000000000	00010	FIX	CALL	.FWRD,1,UN06,,BCDC11*2175*		LNK40531
01733	0074 00 4 10400	10011					
01734	1 00002 0 00404	10011					
01735	0 27051 0 04177	10000					
01736	0 00000 0 14000	10011					
01737	0 00000 0 03206	10001					
01740	0500 00 0 03240	10001	CLA	OPSNUP			
01741	0400 00 0 03324	10001	ADD	ONE			
01742	0601 00 0 03240	10001	STD	OPSNUP			
01743	0074 00 4 14400	10011	TSX	.FCNV.,4			

BINARY CARD ID. NETSIM59

01744	0500 00 0 27047	10000		CLA	INUM		LNK40532
01745	0074 00 4 14400	10011	TSX	.FCNV.,4			LNK40533
01746	000000000000	00010	CALL	.FFIL.*2175*			LNK40534
01746	0074 00 4 05400	10011					
01747	1 00000 0 00407	10011					
01750	0 27051 0 04177	10000					
01751	0500 00 0 03332	10001	CLA	FPL			LNK40535
01752	0760 00 0 00147	10000	SLN	2			LNK40536
01753	0020 00 0 01773	10001	FRA	F1			LNK40537
01754	000000000000	00010	FORGET	CALL	.FWRD,1,UN06,,BCDC11*2184*		LNK40538
01754	0074 00 4 10400	10011					
01755	1 00002 0 00404	10011					
01756	0 27051 0 04210	10000					
01757	0 00000 0 14000	10011					
01760	0 00000 0 03220	10001					
01761	0500 00 0 03240	10001	CLA	OPSNUP			
01762	0400 00 0 03324	10001	ADD	ONE			
01763	0601 00 0 03240	10001	STD	OPSNUP			
01764	0074 00 4 14400	10011	TSX	.FCNV.,4			

BINARY CARD ID. NETSIM60

01765	0500 00 0 27047	10000		CLA	INUM		LNK40539
01766	0074 00 4 14400	10011	TSX	.FCNV.,4			LNK40540
01767	000000000000	00010	CALL	.FFIL.*2184*			LNK40541
01767	0074 00 4 05400	10011					
01770	1 00000 0 00402	10011					

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01771	0 27051 0 04210	10000					
01772	0500 00 0 03333	10001					
01773	0621 00 0 02020	10001	F1	CLA	FMIN		LNK40542
01774	0500 00 0 03200	10001		STA	FG2		LNK40543
01775	0771 00 0 00004	10000		CLA	KFYS	TEST FOR G-WT CHANGE	
01776	4320 00 0 03324	10001		ARS	4		LNK40544
01777	4100 00 0 00216	10001		ANA	ONE		LNK40545
02000	0774 00 1 00000	10000		TNZ	SCHED		LNK40546
02001	0441 00 0 03554	10001		ART	0,1	GET FIRST LEVEL	LNK40547
02002	0057 00 000300	10000		LDI	INDICT		
02003	0604 00 0 03554	10001		RIR	300		
02004	0500 00 0 03333	10001		STI	INDICT	GSUM-10V SIGNAL	
02005	0601 00 0 03331	10001		CLA	INEXT	INITIALIZE NETWORK ADDRESS	LNK40550
02006	0500 00 0 03610	10001		STD	NTAG2		LNK40551
				CLA	+1		

BINARY CARD ID. NETSIM61

02007	0601	00	0	02475	10001	STO	STRING	INITIALIZE STRING COUNTER	
02010	0500	00	0	03543	10001	CLA	MULEVS	INITIALIZE LEVEL COUNTER	
02011	0402	00	0	03610	10001	SUB	=1		
02012	0734	00	4	00000	10000	PAX	0,4		
02013	0100	00	0	02476	10001	TZE	ONELEV		
02014	0634	00	4	02501	10001	SXA	LVCNTR,4	SAVE LEVEL COUNTER	
02015	0500	00	1	30066	10000	DG0	CLA	GET LOCATION OF OUTPUT	LNK40552
02016	0621	00	0	02017	10001	STA	DG1	FOR THIS LEVEL	LNK40553
02017	4774	00	2	00000	10000	DG1	AXC	GET OUTPUT INDEX	LNK40554
02020	0560	00	1	00000	10000	DG2	LDQ	GET ALUE (FOR-)	LNK40555
				02021			QMPYC	NTAG2,0	LNK40556
02025	0601	00	0	03356	10001	STO	FACT		LNK40557
02026	0774	00	4	00004	10000	AXT	4,4		LNK40558
02027	0634	00	4	03347	10001	SXA	GSET,4	SET UP LOOPS FOR 4 G-SETS	LNK40559
02030	4774	00	2	00013	10000	AXC	11,2		LNK40560
02031	0500	60	0	03331	10001	CLA*	NTAG2		LNK40561

BINARY CARD ID. NETSIM62

02032	4734	00	4	00000	10000	PDX	0,4		LNK40562
02033	0634	00	4	02204	10001	SXA	NOPRI,4	SAVE NO. OF PRIMARY LINES(Y)	LNK40563
02034	0734	00	4	00000	10000	PAX	0,4		LNK40564
02035	0634	00	4	02067	10001	SXA	DG3,5,4	SAVE NO. OF STATE LINES(X)	LNK40565
02036	0634	00	4	03360	10001	SXA	N,4	SAVE X FOR DIVISION	LNK40566
02037	0634	00	1	03341	10001	SXA	LEVNO,1	SAVE LEVEL NUMBER	LNK40567

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02040	0500	00	1	30066	10000	CLA	OVAL,1	* CALCULATION OF MEAN OF INPUT	LNK40571
02041	0737	00	1	00000	10000	PAC	0,1		LNK40572
02042	4774	00	2	00014	10000	AXC	12,2	INDEX FOR DIRECT EFF. ADDR.	LNK40573
02043	0634	00	2	02070	10001	SXA	DG3,6,2	GET INDEX OF 1ST INPUT LINE	LNK40574
02044	3	00000	4	02050	10001	TXM	DG3-1,4,0	SAVE FOR FURTHER USE	LNK40575
02045	0774	00	4	00002	10000	AXT	2,4	TEST FOR ZERO STATE LINES	LNK40576
02046	0634	00	4	03347	10001	SXA	GSET,4	YES- SET UP LOOP FOR	LNK40577
02047	0020	00	0	02170	10001	TRA	DC	2 PRIMARY GSETS	LNK40578
02050	0600	00	0	03335	10001	STZ	TSUM	INITIALIZE SUM	LNK40579
02051	0500	60	2	30303	10000	DG3	CLA*	ADD INPUTS	LNK40580
02052	0140	00	0	00401	10011	TOV	NEXT,2		LNK40581
02053	0771	00	0	00006	10000	ARS	6		LNK40582
02054	4625	00	0	03432	10001	STL	OFLOC		LNK40583

BINARY CARD ID. NETSIM63

02055	0400	00	0	03335	10001	ADD	TSUM,0		LNK40585
02056	0140	00	0	02557	10001	TOV	OFLOW		LNK40586
02057	0601	00	0	03335	10001	STO	TSUM		LNK40587
02060	1	77777	2	00401	10011	TXI	**1,2,-1		LNK40588
02061	2	00001	4	02051	10001	TXI	DG3,4,1		LNK40589
02062	0131	00	0	00000	10000	XCA		CLEAR AC FOR DIVISION	LNK40590
02063	4754	00	0	00000	10000	PXD	0,0	340-835=813	LNK40591
02064	0220	00	0	03360	10001	DVH	N		LNK40592
02065	0763	00	0	00006	10000	LLS	6		LNK40593
02066	4600	00	0	03361	10001	STQ	MEAN	MEAN OF INPUTS	LNK40594
02067	0774	00	4	00000	10000	DG3,5	AXT	NUMBER OF INPUT LINES	LNK40595
02070	0774	00	2	00000	10000	DG3,6	AXT	INDEX OF NEXT INPUT LINE	LNK40596
02071	0600	00	0	03357	10001	STZ	GSUM	INITIALIZE SUM OF G-WEIGHTS	LNK40597
02072	0500	60	2	30303	10000	DG4	CLA*	GET NEXT INPUT	LNK40598
02073	0402	00	0	03361	10001	SUB	MEAN	(X-MEAN)	LNK40599
02074	0131	00	0	00000	10000	XCA			LNK40600
				02075		QMPYF	DT,0		LNK40601

BINARY CARD ID. NETSIM64

02101	0131	00	0	00000	10000	XCA			LNK40603
02102	0140	00	0	00401	10011	TOV	**1		LNK40604
02103	4625	00	0	03432	10001	STL	OFLOC		LNK40605
02104	0200	00	0	03356	10001	MPY	FACT,0		LNK40606
02105	0763	00	0	00001	10000	LLS	1		LNK40607
02106	0140	00	0	02557	10001	TOV	OFLOW		LNK40608
				02107		QADDD	NTAG2,0		LNK40609

BINARY CARD ID. NETSIM65

02126	0131	00	0	00000	10000	XCA			LNK40610
02127	4620	60	0	03331	10001	SLO*	NTAG2	STORE NEW G-WEIGHT	LNK40611
02130	0131	00	0	00000	10000	XCA			LNK40612
02131	0760	00	0	00003	10000	SSP			LNK40613
02132	0441	00	0	03554	10001	LDI	IND1,1		
02133	0054	00	0	001000	10000	RFT	1000		
02134	0074	00	7	02354	10001	TSX	SQWGT,7		
				02135		QATWO	GSUM,0	ADD TO SUM OF G-WEIGHTS	LNK40614
02142	0601	00	0	03357	10001	STO	GSUM		LNK40615
02143	1	77777	2	00401	10011	TXI	**1,2,-1		LNK40616

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02144	0500	60	0	03331	10001	CLA*	NTAG2	CHECK FOR NEG. G-SET	LNK40617
02145	0441	00	0	03554	10001	LDI	INDICT		
BINARY CARD ID. NETSIM66									
02146	0054	00	0	002000	10000	RFT	2000		LNK40618
02147	0020	00	0	00402	10011	TRA	**2	ON- DO NOT TEST	LNK40619
02150	4120	00	0	02153	10001	IMI	DIFF1	OFF-TEST	LNK40620
02151	2	00001	4	02072	10001	TIK	DG4,4,1	GET NEXT INPUT LINE	LNK40621
02152	0020	00	0	02162	10001	TRA	DIFF2	END OF STATE (OR PRIMARY) LINE	LNK40622
02153	4625	00	0	02353	10001	DIFF1	STL	END OF POSITIVE G-SET	LNK40623
02154	0070	00	0	02212	10001	TRA	NORM	NORMALIZE G-WEIGHTS	LNK40624
02155	6	00001	4	02166	10001	TIK	DG5,4,1	TEST FOR END OF X OR Y LINES	LNK40625
02156	0441	00	0	03554	10001	LDI	INDICT		
02157	0055	00	0	002000	10000	SIR	2000	NO-SET SW FOR NEG G-SET	LNK40626
02160	0604	00	0	03554	10001	STI	INDICT		
02161	0020	00	0	02070	10001	TRA	DG3,6	GET NEXT INPUT LINE	LNK40627
02162	0057	00	0	002000	10000	DIFF2	RIR	END OF NEG G-SET	LNK40628
02163	0604	00	0	03554	10001	STI	INDICT		
02164	4625	00	0	02353	10001	STL	NTRA		LNK40629
02165	0020	00	0	02212	10001	TRA	NORM	NORMALIZE G-WEIGHTS	LNK40630
02166	0534	00	4	03347	10001	* ENDOF X OR Y LINES	GSET,4	TEST FOR END	LNK40631
02167	6	00001	4	02436	10001	DG5	LXA	OF COMPONENT	LNK40632
						* PREARE (FFXO)XI FOR PRIMARY INPUT	ELEND,4,1		LNK40633
02170	0534	00	1	03341	10001	DG6	LXA	LEVEL NUMBER	LNK40634
							LEVNO,1		LNK40635
BINARY CARD ID. NETSIM67									
02171	1	77776	1	00401	10011	TXI	**1,1,-2	GET INDEX OF F(I)	LNK40636
02172	0322	00	0	02020	10001	XEC	DG2	LD0 F(I)	LNK40637
02173	0522	00	0	02017	10001	XEC	DG1	GET INDEX OF /	LNK40638
				02174		QMPYC	NTAG2,0	FXO	LNK40639
02200	0601	00	0	03356	10001	STO	FACT		LNK40640
02201	0534	00	1	03341	10001	LXA	LEVNO,1	LEVEL NUMBER	LNK40641
02202	0500	00	1	30054	10000	CLA	OVAL-10,1	INDEX FOR OUTPUT OF	LNK40642
02203	0737	00	1	00000	10000	PAC	0,1	PREVIOUS LEVEL(PRIMARY I/P)	LNK40643
02204	0774	00	4	00000	10000	NOPRI	ART	NUMBER OF PRIMARY LINES	LNK40644
02205	7	00000	4	02436	10001	TXL	ELEND,4,0	TEST FOR ZERO PRIMARY LINES	LNK40645
02206	0634	00	4	02067	10001	SXA	DG3,5,4	SAVE Y FOR 2ND LOOP	LNK40646
02207	0634	00	4	03360	10001	SXA	N,4	SAVE Y FOR DIVISION	LNK40647
02210	0522	00	0	02070	10001	XEC	DG3,6	GET INDEX OF NEXT I/P LINE	LNK40648
02211	0020	00	0	02050	10001	TRA	DG3-1	PROCESS DG FOR PRIMARY I/P	LNK40649
						* ENDOF A GG-SET. THIS ROUTINE WILL NORMALIZE			LNK40650
						* THEG-WEIGHTS IN A G-SET.			LNK40651
02212	4634	00	2	02260	10001	NORM	SXD	SAVE INPUT OF NEXT I/P LINE	LNK40652
02213	4634	00	2	02343	10001		SXD		LNK40653
BINARY CARD ID. NETSIM68									
02214	0534	00	2	03347	10001	NM	LXA	GET INDEX OF CORREST	LNK40654
02215	1	77770	2	00401	10011	TXI	**1,2,-0	CONSTANT FOR SUM OF G S	LNK40655
02216	0500	60	0	03331	10001	CLA*	NTAG2	GET CONSTANT SUM	LNK40656
02217	0402	00	0	03357	10001	SUB	GSUM	COMPARE WITH COMPUTED SUM	LNK40657
02220	4340	00	0	03340	10001	LAS	IR18	IF DIFFERENCE IS SMALL,	LNK40658
02221	0020	00	0	00403	10011	TRA	**3	GS ARE NORMALIZED	LNK40659
02222	0020	00	0	02345	10001	TRA	NORM5		LNK40660
02223	0020	00	0	02345	10001	TRA	NORM5		LNK40661
02224	0601	00	0	03351	10001	STO	DIFF	STORE DIFFERENCE	LNK40662

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02225	0765	00	0	00000	10000	LRS	0	SAVE SIGN OF DIFFERENCE	LNK40663
						* COMPUTE SUM OF UNSATURATED G S			LNK40664
02226	0522	00	0	02070	10001	XEC	DG3,6	GET FIRST INPUT LINE OF G-SET	LNK40665
02227	0600	00	0	03357	10001	STZ	GSUM		LNK40666
02230	0600	00	0	02435	10001	STZ	NUGMTS	RESET G COUNTER OFR DG NORM OPERATION	LNK40667
02231	0500	60	0	03331	10001	UNSAT	CLA*	CHECK G-WT FOR	LNK40668
02232	4320	00	0	03326	10001	ANA	MASK	SATURATION	LNK40669
02233	0340	00	0	30053	10000	CAS	GSAT		LNK40670
02234	0162	00	0	02257	10001	TQP	INCR	IF DIFF IS +, SATURATED	LNK40671
02235	0162	00	0	02257	10001	TQP	INCR		LNK40672
02236	4100	00	0	00403	10011	TIK	**3	BELOW SAT. VALUE,UNSAT IF NON-ZERO	LNK40673
BINARY CARD ID. NETSIM69									
02237	0162	00	0	00402	10011	TQP	**2	G-WT ZERO, DIFF +, UNSATURATED	LNK40674
02240	0020	00	0	02257	10001	TRA	INCR	DIFF -, G-WT IS ZERO, SATURATED	LNK40675
02241	0601	00	0	03112	10001	STO	SGWT		LNK40676
02242	0500	00	0	02435	10001	CLA	NUGMTS	COUNT OF GS IN SUM	LNK40677
02243	0400	00	0	03610	10001	ADD	+1		LNK40678
02244	0601	00	0	02435	10001	STO	NUGMTS		LNK40679
02245	0441	00	0	03554	10001	LDI	INDICT		LNK40680
02246	0054	00	0	001000	10000	RFT	1000		LNK40681
02247	0074	00	7	02354	10001	TSK	SGGWT,7	UNSATURATED--ADD TO SUM	LNK40682
02250	0500	00	0	03112	10001	CLA	SGWT		LNK40683
				02251		QATWD	GSUM,0		LNK40684
02256	0601	00	0	03357	10001	STO	GSUM		LNK40685
02257	1	77777	2	00401	10011	INCR	TXI	**1,2,-1	LNK40686
02260	3	00000	2	02231	10001	NORM1	TXM	UNSAT,2,++0	LNK40687
02261	0500	00	0	03357	10001	CLA	GSUM		LNK40688
BINARY CARD ID. NETSIM70									
02262	0601	00	0	02503	10001	STO	GSUM1		LNK40689
02263	0600	00	0	03357	10001	STZ	GSUM		LNK40690
02264	0522	00	0	02070	10001	XEC	DG3,6	INDEX OF FIRST I/P LINE	LNK40691
02265	0500	60	0	03331	10001	NORM2	CLA*		LNK40692
02266	4320	00	0	03326	10001	ANA	MASK		LNK40693
02267	0560	00	0	03351	10001	LDQ	DIFF	GET SIGN OF DIFFERENCE	LNK40694
02270	0340	00	0	10051	10000	LAS	GSAT	COMPARE WITH SATURATION PT.	LNK40695

02271	0162	00	0	02334	10001	TOP	NORM3	SATURATED	LNK40691
02272	0162	00	0	02334	10001	TOP	NORM3	SATURATED	LNK40692
02273	4100	00	0	00403	10011	TMZ	++3	UNSAT	LNK40693
02274	0162	00	0	00402	10011	TOP	++2	UNSAT	LNK40694
02275	0020	00	0	02334	10001	TRA	NORM3	SAT	LNK40695
02276	0560	00	0	03323	10001	LDQ	ZERO	UNSATURATED--ADJUST	
02277	0441	00	0	03554	10001	LDI	INDICT		
02300	0054	00	0	001000	10000	RFT	1000		
02301	0074	00	7	02365	10001	TSX	DLTSQG,7		
02302	0765	00	0	00006	10000	LRS	6	B(7)	
02303	0221	00	0	02503	10001	DVP	GSUM1	(B6) ALWAYS GREATER THAN GWT-H(10)	
02304	0760	00	0	00012	10000	DCT			

BINARY CARD ID. NETSIN71									
02305	0074	00	6	02430	10001	TSX	GNG,6		
02306	0200	00	0	03351	10001	MPY	DIFF	B(6)*B(10) = B(6)	
02307	0763	00	0	09006	10000	LLS	6	B(11) D-GWT	
02310	0401	60	0	03331	10001	ADH	NTAG2	ADD INCREMENT	LNK40698
02311	4140	00	0	00403	10011	TNO	++3	GWT IS REAL NOT MODULAR	

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02312	4120	00	0	02322	10001	TM1	SETOZE		
02313	0500	00	0	30053	10000	CLA	GSAT		
02314	4120	00	0	02322	10001	TM1	SETOZE		
02315	4320	00	0	03326	10001	ANA	MASK		
02316	0340	00	0	30053	10000	CAS	GSAT	IS NEW G OVER SATURATED	LNK4 6
02317	0500	00	0	30053	10000	CLA	GSAT	YES-SET TO MAXIMUM	LNK40700
02320	0020	00	0	00403	10011	TRA	++3	EQUAL TO MAX	LNK40702
02321	0120	00	0	00402	10011	TPL	++2	TEST FOR ZERO	LNK40703
02322	4754	00	0	00000	10000	PXD	0,0		
02323	0560	60	0	03331	10001	LDQ	NTAG2	RECOVER ORIGINAL SIGN	LNK40705
02324	0763	00	0	00000	10000	LLS	0		LNK40706
02325	0131	00	0	00000	10000	XCA			LNK40707
02326	4620	60	0	03331	10001	SLQ	NTAG2	STORE NEW G VALUE	LNK40708
02327	0131	00	0	00000	10000	XCA			LNK40709

BINARY CARD ID. NETSIN72									
02330	0760	00	0	00003	10000	SSP			
02331	0441	00	0	03554	10001	LDI	INDICT		LNK40710
02332	0054	00	0	001000	10000	RFT	1000		
02333	0074	00	7	02354	10001	TSX	SQGT,7		
				02334			GSUM,0	ADD TO NEW SUM	LNK40711
02341	0401	00	0	03357	10001	STO	GSUM		LNK40712
02342	1 7777	2	0	00401	10011	TXI	++1,2,-1		LNK40713
02343	3 00000	2	0	02265	10001	TXH	NORM2,2,++0	TEST FOR END OF G-SET	LNK40714
02344	0020	00	0	02214	10001	TRA	NM	YES-TEST NORMALIZATION	LNK40715
02345	4534	00	2	02260	10001	LXD	NORM1,2		LNK40716
02346	0634	00	2	02070	10001	SXA	DG3-6,2	STORE INDEX OF NEXT I/P LINE	LNK40717
02347	0500	00	0	03347	10001	CLA	GSET	WORK ON NEXT G-SET	LNK40718
02350	0402	00	0	03324	10001	SUB	ONE		LNK40719
02351	0601	00	0	03347	10001	STO	GSET		LNK40720
02352	4774	00	2	00001	10000	AXC	1,2		LNK40721

BINARY CARD ID. NETSIN73									
02353	0020	00	2	00000	10000	NTRA	TRA	++0,2	RETIP4
02354	0131	00	0	00000	10000	SQGT	XCA		LNK40722
02355	0200	60	0	03331	10001	MPY	NTAG2	SQUARE GWEIGHT	
02356	0140	00	0	00401	10011	TOV	++1		
02357	0771	00	0	00004	10000	ARS	4	B(2)--B(6)	
02360	4625	00	0	03432	10001	STL	OFLOC		
02361	0760	00	0	00003	10000	SSP			
02362	0400	00	0	03357	10001	ADD	GSUM	B(6)	
02363	0140	00	0	02557	10001	TOV	OFLOW		
02364	0020	00	7	00006	10000	TRA	6,7		
02365	0560	60	0	03331	10001	DLTSQG	LDQ	B(11)	
02366	0200	60	0	03331	10001	MPY	NTAG2	B(12) GWEIGHT SQUARED	
02367	0601	60	0	03546	10001	STO	AAA	SAVE OLD GWT SQUARED	
02370	0765	00	0	00006	10000	LRS	6		
02371	0221	00	0	02503	10001	DVP	GSUM1	B(8)/B(6) = B(2)	
02372	0760	00	0	00012	10000	DCT			
02373	0074	00	6	02430	10001	TSX	GNG,6		
02374	0200	00	0	03351	10001	MPY	DIFF	B(6)*B(2)	
02375	0763	00	0	00006	10000	LLS	6	B(2)	

BINARY CARD ID. NETSIN74									
02376	0140	00	0	00401	10011	TOV	++1		
02377	0400	00	0	03546	10001	ADD	AAA	DELTA GWT SQ + OLD GWT SQ	

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02400	4625	00	0	03432	10001	STL	OFLOC		
02401	0140	00	0	02557	10001	TOV	OFLOW		
02402	4120	00	0	02322	10001	TM1	SFTOZE		
02403	0601	00	0	03546	10001	STO	AAA		
02404	0634	00	4	02426	10001	SXA	SAVFOR,4		
02405	000000000000			00010		CALL	RTOF(AAA,=2,AAA)	CHAGE TO FLOATINT-POINT	
02406	1 00003	0	0	00405	10011				
02407	0 27051	0	0	02365	10000				
02410	0 00000	0	0	03546	10001				
02411	0 00000	0	0	03620	10001				
02412	0 00000	0	0	03546	10001				
02413	000000000000			00010		CALL	SGRT(AAA)	GET SQUARE ROOT	
02413	0074	00	4	11000	10011				
02414	1 00001	0	0	00403	10011				
02415	0 27051	0	0	02366	10000				
02416	0 00000	0	0	03546	10001				

BINARY CARD ID. NETSIM75

02417	0601	00	0	03546	10001	STU	AAA		
02420	000000000000			00010		CALL	MPRINT(AAA,=1)	CHANGE TO BINARY POINT	
02420	0074	00	4	02000	10011				
02421	1	00002	0	00404	10011				
02422	0	27051	0	02376	10000				
02423	0	00000	0	03546	10001				
02424	0	00000	0	03610	10001				
02425	0500	00	0	03546	10001				
02426	0774	00	4	00000	10000	SAVFUR	CLA	444	DELTA GWEIGHT
02427	0020	00	0	02315	10001		AXT	**4	
02430	4754	00	0	00000	10000	CNG	TRA	CONT	CONTINUE
02431	0560	00	0	03621	10001		PXD	0,0	
02432	0221	00	0	02435	10001		LDQ	=020000000000	18(1)
02433	0140	00	0	00401	10011		OVP	NUGMT5	
02434	0070	00	6	00001	10000		TOV	**1	
02435	0	00000	0	00000	10000		TRA	1,6	
							NUGMT5 PZE	0	
							* OG COMPUTATIONS FOR A COMPONENT ARE		
							* FINISHED. GET NEXT COMPONENT.		
02436	0774	00	2	00000	10000	ELEND	AXT	0,2	LNK40726
02437	0500	00	0	03331	10001		CLA*	NTAG2	LNK40727
02440	0621	00	0	03331	10001		STA	NTAG2	LNK40728
								GET ADDRESS OF NEXT COMPONENT, INITIALIZE LOCATION USING IT	LNK40729
									LNK40730

BINARY CARD ID. NETSIM76

02441	0621	00	0	02051	10001	STA	DG3		LNK40731
02442	0621	00	0	02072	10001	STA	DG4		LNK40732
02443	0534	00	1	03341	10001	LXA	LFVNO,1		LNK40733
02444	0500	00	0	03331	10001	CLA*	NTAG2	TEST FOR "ND OF LEVEL	LNK40734
02445	0441	00	0	03554	10001	LDI	INDICT		
02446	0054	00	0	004000	10000	RFT	4000	TEST FOR LAST LEVEL OPERATION	
02447	0020	00	0	02504	10001	TRA	NWSTT	YES-GO TO LAST LEVEL CONTROL PROGRAM	
02450	0120	00	0	02015	10001	TPL	DGO		LNK40735
02451	0534	00	4	02501	10001	LXA	LVCNTR,4	LEVEL COUNTER	
02452	6	00001	4	02454	10001	TNX	LASLEV,4,1	START LAST LEVEL OPERATION	
02453	1	7766	1	02014	10001	TXI	DGO-1,1,-10	INDEX TO NEXT LEVEL INFORMATION	
02454	0055	00	0	004000	10000	LASLEV	SIR	NORMALIZE LAST LEVEL	
02455	0604	00	0	03554	10001	STI	INDICT		
02456	1	7766	1	00401	10011	TXI	**1,1,-10	INCREMENT LEVEL INFORMATION INDEX	

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02457	0500	00	0	02475	10001	NEXSTR	CLA	STRIND	NO. OF COMPONENT GROUP
02460	0340	00	0	02050	10000	CAS	KEY		NO. OF CONTRIBUTING GROUP
02461	0070	00	0	00402	10011	TRA	**2		NON-CONTRIBUTING GROUP FMIN
02462	0020	00	0	02465	10001	TRA	NWST		CONTRIBUTING GROUP FPLS
02463	0500	00	0	03333	10001	CLA	FMIN		NON-CONTRIBUTING GROUP

BINARY CARD ID. NETSIM77

02464	0020	00	0	00402	10011	TRA	**2		
02465	0500	00	0	02337	10001	NEW	FPL	CONTRIBUTING GROUP	
02466	0621	00	0	02020	10001	STA	DG2		
02467	0500	00	0	03337	10001	CLA	M	NO. OF COMPONENTS IN GROUP	
02470	0601	00	0	03433	10001	STO	MSHCTR		
02471	0500	00	0	02475	10001	CLA	STRIND	INCREMENT STRING NO. FOR NEXT TEXT	
02472	0400	00	0	03610	10001	ADD	*1		
02473	0601	00	0	02475	10001	STO	STRIND		
02474	0020	00	0	02015	10001	TRA	DGO	START NORMALIZATION OF THIS GROUP	
02475	000000000001			10000		STRIND DEC	I		
02476	0600	00	0	02501	10001	ONELEV	STZ	LVCNTR	
02477	0774	00	1	00012	10000	AXT	10,1		
02500	0020	00	0	02454	10001	TRA	LASLEV		
02501	200000000001			00001		LVCNTR BSS	I	NO. OF LEVELS -1	
02502	0	00000	0	00000	10000	ABICAD PZE	0		
02503	200000000001			00001		GSUMI	MS		
02504	0100	00	0	02512	10001	NWSTT	TZE	END OF LAST LEVEL	
02505	0500	00	0	03433	10001	CLA	MSHCTR	MORE COMPONENTS THIS LEVEL	
02506	0402	00	0	03610	10001	SUB	*1	INCREMENT INDEX FOR NO. OF COMP. THIS GROUP	

BINARY CARD ID. NETSIM78

02507	0601	00	0	03433	10001	STO	MSHCTR		
02510	4130	00	0	02015	10001	TNZ	DGO	CONTINUE THIS GROUP	
02511	0020	00	0	02457	10001	TRA	NWSTT	START NEW GROUP	
02512	0057	00	0	004000	10000	EXNWST	RIR	4000	
02513	0604	00	0	03554	10001	STI	INDICT		
02514	000000000000			00010		GWPRT	CALL	GPRT(M,PR,GWPC,CNTR,NEXT,OPSNUM)	
02514	0074	00	4	03060	10011				
02515	1	00005	0	00407	10011				
02516	0	27051	0	02462	10000				
02517	0	00000	0	00550	10001				
02520	0	00000	0	00551	10001				
02521	0	00000	0	00546	10001				
02522	0	00000	0	00303	10000				
02523	0	00000	0	03247	10001				
02524	0441	00	0	03544	10001	LDI	INDICT		
02525	0020	00	0	00216	10001	TRA	SCHED		
02526	000000000000			10000		DEC	128		LNK40746
02527	0634	00	2	02552	10001	SXA	SAV2,2		LNK40743
02530	0500	00	0	03240	10001	CLA	OPSNUM		LNK40747
									LNK40748

BINARY CARD ID. NETSIM79

02531	0767	00	0	00022	10000	ALS	IR		
02532	0622	00	0	00047	10000	STD	SKIP		
02533	000000000000			00010		CALL	WRTNET(SKIP,NETTAP,NFTMAX)		LNK40748
02533	0074	00	4	05000	10011				
02534	1	00003	0	00405	10011				
02535	0	27051	0	02412	10000				
02536	0	00000	0	00047	10000				

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02537	0	00000	0	03544	10001				
02540	0	00000	0	03553	10001				
02541	000000000000				00010	CALL	.FPRN.(RBCD)'2423'		LNK40749
02541	0074	00	4	04000	10011				
02542	1	00C01	0	00403	10011				
02543	0	27051	0	04567	10000				
02544	0	00000	0	03250	10001				
02545	000000000000				00010	CALL	.FFIL.		LNK40750
02545	0074	00	4	05400	10011				
02546	1	00000	0	00402	10011				
02547	0	27051	0	02474	10000				
02550	0760	00	0	00162	10000	SWT	2		
BINARY CARD ID. NETSIM80									
02551	0020	00	0	01401	10011	TRA	NETSIM+1		
02552	0774	00	2	00000	10011	SAV2	AXT	0--0,2	
	1	00C01	7	00001	11010				LNK40752
02553	0441	00	0	03554	10001	LOI	IND CT		
02554	0020	00	0	00216	10001	TRA	SCHEO		
02555	0500	00	0	03324	10001	SETSW	ONE		LNK40753
02556	0600	00	0	02606	10001	CLA	ONE		
02557	000000000000				00010	STO	QADTO		
02557	0074	00	4	10400	10011	OFLOW	CALL	.FWRD.(.UM06.,OFBCD)'2435'	LNK40754
02560	1	00C02	0	00404	10011				
02561	0	27C51	0	04603	10000				
02562	0	00000	0	14000	10011				
02563	0	00000	0	03571	10001				
02564	0500	00	0	03432	10001	CLA	OFLOC		
02565	0074	00	4	14400	10011	TSX	.FCNV.,4		LNK40755
02566	000000000000				00010	CALL	.FFIL.'2435'		LNK40756
02566	0C74	00	4	05400	10011				LNK40757
02567	1	00C00	0	00402	10011				
02570	0	27051	0	04603	10000				
BINARY CARD ID. NETSIM81									
02571	0500	00	0	02606	10001	CLA	QADTO		
02572	0100	00	0	00407	10011	TZE	++7		
02573	0441	00	0	03554	10001	LOI	INDICT		
02574	0054	00	0	000100	10000	RFT	100		
02575	0020	00	0	02603	10001	TRA	BIADJ		
02576	0054	00	0	000200	10000	RFT	200		
02577	0020	00	0	00401	10011	TRA	++1		
02600	0020	00	0	00401	10011	TRA	++1		
02601	0420	00	0	00401	10011	HPR	++1		
02602	0020	00	0	40401	10011	TRA	0-1		
02603	0500	00	0	03334	10001	BIADJ	OSUM		LNK40759
02604	0600	00	0	02606	10001	STZ	QADTO		
02605	0020	00	0	01365	10001	TRA	ITER		
02606	0	00C00	0	00000	10000	QADTO	PZE		
02607	0634	00	4	03107	10001	PRINT	SXA		
02610	0534	00	1	00726	10001	LXA	LEVI,1		LNK40760
02611	0634	00	2	03105	10001	SXA	PR2,2		LNK40763
02612	0634	00	1	03106	10001	SXA	PR2+1,1		
02613	000000000000				00010	CALL	.FWRD.(.UM03.)		LNK40764
BINARY CARD ID. NETSIM82									

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02613	0074	00	4	10000	10011				
02614	1	00C01	0	00403	10011				
02615	0	27051	0	02532	10000				
02616	0	00000	0	15400	10011				
02617	0500	00	0	03543	10001	CLA	MULEVS		
02620	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40765
02621	0500	00	0	03342	10001	CLA	LEVCT		LNK40766
02622	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40767
02623	0500	00	0	03550	10001	CLA	XXXX		LNK40768
02624	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40769
02625	0500	00	0	03551	10001	CLA	YYYY		LNK40770
02626	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40771
02627	0500	00	1	30056	10000	CLA	MI,1		LNK40772
02630	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40773
02631	0500	00	1	30055	10000	CLA	MS,1		LNK40774
02632	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40775
02633	0500	00	1	30063	10000	CLA	RIAS,1		LNK40776
02634	0074	00	4	16000	10011	TSX	.FBLT.,4		LNK40777
02635	0500	00	1	30066	10000	CLA	OVAL,1		LNK40778
BINARY CARD ID. NETSIM83									
02636	0621	00	0	02645	10001	STA	BQPI		
02637	0621	00	0	02743	10001	STA	DCPI		
02640	0535	00	2	00660	10001	LAC	LEVIR,2		
02641	0754	00	2	00000	10000	PXA	0,2		
02642	0400	00	0	03330	10001	ADD	INEXT		
02643	0621	00	0	02502	10001	STA	ARICAD		
02644	0737	00	2	00000	10000	BQPLPN	PAC		
02645	0500	00	2	00000	10000	CLA	0,2		
02646	0074	00	4	16000	10011	TSX	.FBLT.,4		
02647	0500	00	2	00000	10000	CLA	0,2		
02650	4120	00	0	02652	10001	TMF	BFIN		
02651	0500	00	2	00000	10000	CLA	0,2		
02652	0020	00	0	02644	10001	TRA	BQPLPN		
02653	0074	00	4	16400	10011	TSX	.FBLT.,4		
02654	0534	00	1	00726	10001	LXA	LEVI,1		
02655	0500	00	1	30055	10000	CLA	MS,1		
02656	0601	00	0	03546	10001	STO	AAA		LNK40779
02657	000000000000				00010	CALL	RTOF(AAA,=5,AAA)		LNK40780
02657	0074	00	4	03400	10011				LNK40781

RELATIVE OUTPUT ADDRESS FOR THIS LEVEL

RELATIVE COMPONENT ADDRESS OF 1ST COMPONENT FOR THIS LEVEL

ABSOLUTE ADDR OF 1ST COMP THIS LEVEL

ABSOLUTE ADDRESS OF COMPONENT OUTPUT OF COMPONENT

1ST WORD OF NEXT COMPONENT

END LOGICAL BINARY RECORD (PDP TAPE)

1ST WORD OF 1ST COMP OF LEVEL IS MINUS GET OUTPUT OF NEXT COMPONENT

BINARY CARD ID. NETSIM85

02660	1	00003	0	00405	10011
02661	0	27051	0	02573	10000
02662	0	00000	0	03546	10001
02663	0	00000	0	03611	10001
02664	0	00000	0	03544	10001
02665	0500	00	1	30063	10000
02666	0601	00	0	03547	10001
02667	000000000000				00010
02667	0074	00	4	03400	10011
02670	1	00003	0	00405	10011
02671	0	27051	0	02576	10000
02672	0	00000	0	03547	10001
02673	0	00000	0	03616	10001
02674	0	00000	0	03547	10001

CLA RIAS.1
STO P88
CALL RTOF(888,"9,888")

LNK40782
LNK40783
LNK40784

NETSIM
ASSEMBLED TEXT.

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02675 000000000000 00010
02675 0074 00 4 10400 10011
02676 1 00002 0 00404 10011
02677 0 27051 0 02577 10000
02700 0 00000 0 14000 10011

CALL .FWRD.(UN06.,BIASNO)

BINARY CARD ID. NETSIM85

02701 0 00000 0 03201 10001
02702 0500 00 0 00541 10001
02703 0074 00 4 14400 10011
02704 000000000000 00010
02704 0074 00 4 05400 10011
02705 1 00000 0 00402 10011
02706 0 27051 0 02607 10000
02707 0600 00 0 00541 10001
02710 000000000000 00010
02710 0074 00 4 10400 10011
02711 1 00002 0 00404 10011
02712 0 27051 0 04624 10000
02713 0 00000 0 14000 10011
02714 0 00000 0 03264 10001
02715 0500 00 0 03342 10001
02716 0074 00 4 14400 10011
02717 0500 00 0 03546 10001
02720 0074 00 4 14400 10011
02721 0500 00 0 03547 10001

CLA BIASCH
TSX .FCNV.,4
CALL .FFIL.

STZ BIASCH RESET BIAS CHANGE COUNTER OR LEVEL
CALL .FWRD.(UN06.,PRCD1)*2452'

LNK40785

CLA LEVCT
TSX .FCNV.,4
CLA AAA
TSX .FCNV.,4
CLA 888

LNK40786
LNK40787
LNK40788
LNK40789
LNK40790

BINARY CARD ID. NETSIM86

02722 0074 00 4 14400 10011
02723 000000000000 00010
02723 0074 00 4 05400 10011
02724 1 00000 0 00407 10011
02725 0 27051 0 04624 10000
02726 000000000000 00010
02726 0074 00 4 10400 10011
02727 1 00002 0 00404 10011
02730 0 27051 0 02614 10000
02731 0 00000 0 14000 10011
02732 0 00000 0 03233 10001
02733 000000000000 00010
02733 0074 00 4 05400 10011
02734 1 00000 0 00402 10011
02735 0 27051 0 02615 10000
02736 0500 00 0 02502 10001
02737 0074 00 4 00005 10000
02740 0737 00 2 00000 10000
02741 0500 00 2 00001 10000

TSX .FCNV.,4
CALL .FFIL.*2452'

CALL .FWRD.(UN06.,MOLIN)

CALL .FFIL.

CLA ABICAD
OPLP AXI 5,4
OQPLPN PAC 0,2
CLA 1,2

LNK40791
LNK40792

LNK40800

LNK40802

BINARY CARD ID. NETSIM87

02742 0601 00 4 03441 10001
02743 0500 00 2 00000 10000
02744 0601 00 4 03446 10001
02745 0500 00 2 00000 10000
02746 4120 00 0 02752 10001
02747 0500 00 2 00000 10000
02750 2 00001 4 02740 10001

STO NAMS+5,4
DOPI CLA **2 OUTPUT OF COMPONENT
STO OPTS+5,4
CLA* 0,2
THI QREF
CLA 0,2
TIX DOPLPN,4,1

LNK40803

LNK40805

LNK40809

LNK40810

LNK40811

NETSIM
ASSEMBLED TEXT.

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02751 0020 00 0 02756 10001
02752 6 00001 4 02756 10001
02753 0600 00 4 03441 10001
02754 0600 00 4 03446 10001
02 55 0020 00 0 02752 10001
02756 000000000000 00010
02756 0074 00 4 03400 10011
02757 1 00003 0 30405 10011
02760 0 27051 0 04670 10000
02761 0 00000 0 03441 10001
02762 0 00000 0 03610 10001
02763 0 00000 0 03441 10001

QBEF TRA QPRNT
TRA QPRNT,4,1
STZ NAMS+5,4
STZ OPTS+5,4
TRA QBEF
CALL RTOF(CPTS,=1,OPTS)*2488'

LNK40813

LNK40814

LNK40816

LNK40817

LNK40818

LNK40819

BINARY CARD ID. NETSIM88

02764 000000000000 00010
02764 0074 00 4 03400 10011
02765 1 00003 0 00405 10011
02766 0 27051 0 04670 10000
02767 0 00000 0 03442 10001
02770 0 00000 0 03610 10001
02771 0 00000 0 03442 10001
02772 000000000000 00010
02772 0074 00 4 03400 10011
02773 1 00003 0 00405 10011
02774 0 27051 0 04670 10000
02775 0 00000 0 03443 10001
02776 0 00000 0 03610 10001
02777 0 00000 0 03443 10001
03000 000000000000 00010
03000 0074 00 4 03400 10011
03001 1 00003 0 00405 10011
03002 0 27051 0 04670 10000
03003 0 00000 0 03444 10001

CALL BTDF(OPT5+1,-1,OPT5+1)*2488*

LNK40820

CALL BTDF(OPT5+2,-1,OPT5+2)*2488*

LNK40821

CALL BTDF(OPT5+3,-1,OPT5+3)*2488*

LNK40822

BINARY CARD ID. NETSIM89

03004 0 00000 0 03610 10001
03005 0 00000 0 03444 10001
03006 000000000000 00010
03006 0074 00 4 03400 10011
03007 1 00003 0 00405 10011
03010 0 27051 0 04670 10000
03011 0 00000 0 03445 10001
03012 0 00000 0 03610 10001
03013 0 00000 0 03445 10001
03014 000000000000 00010
03014 0074 00 4 10400 10011
03015 1 00002 0 00404 10011
03016 0 27051 0 04670 10000
03017 0 00000 0 14000 10011
03020 0 00000 0 03275 10001
03021 0500 00 0 03434 10001
03022 4734 00 4 00000 10000
03023 0634 00 4 03607 10001
03024 4320 00 0 03562 10001

CALL BTDF(OPT5+4,-1,OPT5+4)*2488*

LNK40623

CALL .FWRC.(1,UNDA.,NMFM)*2488*

LNK40824

CLA NAMS
PDX 0.4
SXA LLEV,4
ANA 077

LNK40825
LNK40826
LNK40827
LNK40828

BINARY CARD ID. NETSIM90

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03025 0074 00 4 14400 10011
03026 0500 00 0 03607 10001
03027 0074 00 4 14400 10011
03030 0500 00 0 03441 10001
03031 0074 00 4 14400 10011
03032 0500 00 0 03435 10001
03033 4734 00 4 00000 10000
03034 0634 00 4 03607 10001
03035 4320 00 0 03562 10001
03036 0074 00 4 14400 10011
03037 0500 00 0 03607 10001
03040 0074 00 4 14400 10011
03041 0500 00 0 03442 10001
03042 0074 00 4 14400 10011
03043 0500 00 0 03436 10001
03044 4734 00 4 00000 10000
03045 0634 00 4 03607 10001
03046 4320 00 0 03562 10001
03047 0074 00 4 14400 10011

TSX .FCNV.,4
CLA LLEV
TSX .FCNV.,4
CLA OPT5
TSX .FCNV.,4
LA NAMS+1
PDX 0.4
SXA LLEV,4
ANA 077
TSX .FCNV.,4
CLA LLEV
TSX .FCNV.,4
CLA OPT5+1
TSX .FCNV.,4
CLA NAMS+2
PDX 0.4
SXA LLEV,4
ANA 077
TSX .FCNV.,4

LNK40829
LNK40830
LNK40831
LNK40832
LNK40833
LNK40834
LNK40835
LNK40836
LNK40837
LNK40838
LNK40839
LNK40840
LNK40841
LNK40842
LNK40843
LNK40844
LNK40845
LNK40846
LNK40847

BINARY CARD ID. NETSIM91

03050 0500 00 0 03607 10001
03051 0074 00 4 14400 10011
03052 0500 00 0 03443 10001
03053 0074 00 4 14400 10011
03054 0500 00 0 03437 10001
03055 4734 00 4 00000 10000
03056 0634 00 4 03607 10001
03057 4320 00 0 03562 10001
03060 0074 00 4 14400 10011
03061 0500 00 0 03607 10001
03062 0074 00 4 14400 10011
03063 0500 00 0 03444 10001
03064 0074 00 4 14400 10011
03065 0500 00 0 03440 10001
03066 4734 00 4 00000 10000
03067 0634 00 4 03607 10001
03070 4320 00 0 03562 10001
03071 0074 00 4 14400 10011
03072 0500 00 0 03607 10001

CLA LLEV
TSX .FCNV.,4
CLA OPT5+2
TSX .FCNV.,4
CLA NAMS+3
PDX 0.4
SXA LLEV,4
ANA 077
TSX .FCNV.,4
CLA LLEV
TSX .FCNV.,4
CLA OPT5+3
TSX .FCNV.,4
CLA NAMS+4
PDX 0.4
SXA LLEV,4
ANA 077
TSX .FCNV.,4
CLA LLEV

LNK40848
LNK40849
LNK40850
LNK40851
LNK40852
LNK40853
LNK40854
LNK40855
LNK40856
LNK40857
LNK40858
LNK40859
LNK40860
LNK40861
LNK40862
LNK40863
LNK40864
LNK40865
LNK40866

BINARY CARD ID. NETSIM92

03073 0074 00 4 14400 10011
03074 0500 00 0 03445 10001
03075 0074 00 4 14400 10011
03076 000000000000 00010
03076 0074 00 4 05400 10011
03077 1 00000 0 00402 10011
03100 0 27051 0 04670 10000
03101 0500 00 2 00000 10000
03102 4120 00 0 03105 10001
03103 0500 00 2 00000 10000
03104 0020 00 0 02737 10001
03105 0774 00 2 00000 10000
03106 0774 00 1 00000 10000
03107 0774 00 4 00000 10000

TSX .FCNV.,4
CLA OPT5+4
TSX .FCNV.,4
CALL .FFIL.*2488*

LNK40867
LNK40869
LNK40870

CLA 0.2
THI PR2
CLA 0.2
TRA OPLP
PR2 AXI **2
AXI **0.1
PRTRA AXI **0.4

FNC OF LEVEL PRINTOUT

LNK40871
LNK40872
LNK40873
LNK40874
LNK40877
LNK40878

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03110	0020 00 4 00001	10000	TRA	1,4	
03111	0 00000 0 00000	10000	REGEST	PZE	0
03112	0 00000 0 00000	10000	SGMT	PZE	0
03113	740130013460	10000	PSKP	BCI	1, (1M1)
03114	746003043060	10000	BCDF	BCI	9, (34H ENTER NEW MS INTO KEYS FOR LEVEL ,13, ///)
LNK40879					
BINARY CARD ID. NETSIM93					
03115	254563255160	10000			
03116	452566604462	10000			
03117	603145634660	10000			
03120	422570626026	10000			
03121	465160432565	10000			
03122	254360733103	10000			
03123	736161613460	10000			
03124	746060073060	10000	BCDA	BCI	9, (7H LEVEL ,13,25H NONCONVERGENT. NEW MS = ,F14.0)
03125	432565254360	10000			
03126	733103730205	10000			
03127	306045464523	10000			
03130	464565255127	10000			
03131	254563336045	10000			
03132	256660446260	10000			
03133	136073260104	10000			
03134	331034606060	10000			
03135	746003063060	10000	BCDE1	BCI	9, (36H ENTER NEW BIAS INTO KEYS FOR LEVEL ,13)
03136	254563255160	10000			
03137	452566602231	10000			
LNK40937					
BINARY CARD ID. NETSIM94					
03140	216260314563	10000			
03141	466042257062	10000			
03142	602646516043	10000			
03143	256525436073	10000			
03144	310334606060	10000			
03145	746060073060	10000	BCDB	BCI	9, (7H LEVEL ,13,33H OUTPUT OUT OF RANGE, NEW BIAS = .
03146	432565254360	10000			
03147	733103730303	10000			
03150	306046646347	10000			
03151	646360466463	10000			
03152	604626505121	10000			
03153	452725736045	10000			
03154	256660223121	10000			
03155	626013607360	10000			
03156	260104331061	10000	BCI		5, F14.8/5X, 12H** CONTROL = ,012
03157	056773010230	10000			
03160	545460502346	10000			
03161	456351464313	10000			
03162	734601026034	10000			
LNK40939					
BINARY CARD ID. NETSIM95					
03163	740303306047	10000	BBIAS	BCI	7, (33H PCENT IN AJUST GREATER THAN ONE.)
03164	232545636031	10000			
03165	456021416462	10000			
03166	636027512521	10000			
03167	637551606330	10000			
03170	214560464525	10000			
03171	333460606060	10000			

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03172	746060113060	10000	MISHL	BCI	6, (9H SUM NO. ,13,4H IS ,F10.5)
03173	626444604546	10000			
03174	336073310373	10000			
03175	043060316760	10000			
03176	732601003305	10000			
03177	346060606060	10000			
03200	0 00000 0 00000	10000	KEYS	PZE	0
03201	741067733104	10000	BIASMO	BCI	5, (18X, 14, 13H BIAS CHANGES ///
03202	730103306022	10000			
03203	312162602330	10000			
03204	214527256260	10000			
03205	616134606060	10000			
LNK40941					
BINARY CARD ID. NETSIM96					
03206	740430005454	10000	BCDC1	BCI	8, (4H0***, 14, 4X, 6HINPUT , A6, 3X, 24H IDENTIFICATION
03207	547331047304	10000			
03210	677306303145	10000			
03211	476463607321	10000			
03212	067303677302	10000			
03213	041060314524	10000			
03214	254563312631	10000			
03215	232163314645	10000			
03216	602346515125	10000	BCI		2, CORRECT.)
03217	236333603460	10000			
03220	740430005454	10000	BCDD1	BCI	8, (4H0***, 14, 4X, 6HINPUT , A6, 3X, 27H IDENTIFICATION
03221	547331047304	10000			
03222	677306303145	10000			
03223	476463607321	10000			
03224	067303677302	10000			
03225	073060312425	10000			
03226	456331263123	10000			
03227	216331464560	10000			
03230	603145234651	10000	BCI		3, INCORRECT.)

BINARY CARD ID. NETSIM97

03231	512523633340	10000				
03232	346060606060	10000				
03233	740767730574	10000	HOLIN	BCI	5,(7X,5(16H COMP. OUTPUT,6X))	
03234	010630602346	10000				
03235	444733606060	10000				
03236	604664634764	10000				
03237	637306673434	10000				
03240	0 00000 0 00000	10000	NPSNUM	PZE	0	
03241	740306300045	10000	GMES	BCI	7,(36MONO UNSATURATED G-WTS. DG TOO LARGE.)	LNK40944
03242	466064456221	10000				
03243	636451216325	10000				
03244	246027406663	10000				
03245	623360242760	10000				
03246	63646604321	10000				
03247	512725336034	10000				
03250	740405306051	10000	RBCD	BCI	9,(45H RESTART WRITTEN, LIFT SS2 AND PRESS START TO,	LNK40945
03251	256263215163	10000				
03252	606651316363	10000				
03253	256573604331	10000				

BINARY CARD ID. NETSIM98

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03254	246340626202	10000				
03255	402145246047	10000				
03256	512562626062	10000				
03257	632151636063	10000				
03260	467360606060	10000				
03261	010030602346	10000		BCI	9,(10H CONTINUE.)	LNK40946
03262	456331456425	10000				
03263	336036606060	10000				
03264	741067730630	10000	PBCD1	BCI	9,(8X,6H LEVEL,14,3X,6H MS = ,F14.8,3X,8H BIAS = ,F14.8/)	
03265	604325625543	10000				
03266	73314730367	10000				
03267	730630604462	10000				
03270	601360732601	10000				
03271	043310730367	10000				
03272	731030602231	10000				
03273	216260136073	10000				
03274	260104331061	10000				
03275	740567730574	10000	NMFMT	BCI	5,(5X,5(3X,13,1H.,12,4X,F10.7))	
03276	036773310373	10000				

BINARY CARD ID. NETSIM99

03277	013033733102	10000				
03300	730467732601	10000				
03301	003307343460	10000				
03302	740101306023	10000	PBCD4	BCI	9,(11H COMPONENT ,13,1H.,12,11H G-WEIGHTC)	LNK40950
03303	46444764525	10000				
03304	456360606073	10000				
03305	310373013033	10000				
03306	733102730101	10000				
03307	306060274066	10000				
03310	253127306362	10000				
03311	606060606060	10000				
03312	346060606060	10000				
03313	200000000005	00001	WORD1	BSS	5	LNK40951
03320	0 00170 0 00000	10000	L120	PZE	0,0,120	LNK40952
03321	0 07640 0 00000	10000	L4M	PZE	0,0,4000	LNK40953
			* CONTANTS FOR CALCULATION AND ADDRESSING			
03322	031463146314	10000	TENTH	DEC	.180	LNK40954
03323	0 00000 0 00000	10000	ZERO	PZE		LNK40955
03324	0 00000 0 00001	10000	ONE	PZE	1	LNK40956
03325	0 00000 0 00002	10000	TWO	PZE	2	LNK40957

BINARY CARD ID. NETSIM00

03326	777777000000	10000	MASK	OCY	-377777000000	TO UNPACK G-WEIGHT	LNK40959
03327	0 30303 0 30303	10000	2NEXT	PZE	NEXT,0,NEXT		LNK40960
03330	0 00000 2 30303	10000	INEXT	PZE	NEXT,2	INITIALIZATION FOR NTAG2	LNK40961
03331	0 00000 2 30303	10000	NTAG2	PZE	NEXT,2		LNK40962
03332	0 00000 0 30057	10000	FPL	PZE	FPLS	USED FOR CORRECT OUTPUT	LNK40963
03333	0 00000 0 30060	10000	FMIN	PZE	FMIN5	INCORRECT OUTPUT	LNK40964
			* LOCTIONS FOR VARIABLE STORAGE				LNK40965
03334	0 00000 0 00000	10000	OSUM			SUM OF OUTPUTS FOR A LEVEL	LNK40966
03335	0 00000 0 00000	10000	TSUM			TEMPORARY SUM	LNK40967
03336	0 00000 0 00000	10000	TRIAL				LNK40968
03337	0 00000 0 00000	10000	M			REDUCTION IN SIZE OF OUTPUT STRING	LNK40969
03340	000002000000	10000	1818	DEC	1816		LNK40970
03341	0 00000 0 00000	10000	LEVND			INDEX ON LEVEL FOR DG CALCULATION	LNK40971

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03342	0 00000 0 00000	10000	LEVCT				LNK40972
03343	0 00000 0 00000	10000	COMCT				LNK40973
03344	031463146314	10000	SCALF	DEC	.180	NUMBER OF COMPONENTS PER LEVFL	LNK40974
03345	0 00000 0 00000	10000	OIR			INDEX ON OUTPUT WORD	LNK40975
03346	000400000000	10000	RSCAL	DEC	1.89		
03347	0 00000 0 00000	10000	GSET			INDEX ON 4 G-SETS	LNK40977
03350	0 00000 0 00000	10000	STRIR			INDEX FOR OUTPUT STRING	LNK40978

BINARY CARD ID. NETSIM01

03351	0 00000 0 00000	10000	DIFF
03352	0 00000 0 00000	10000	QUOT
03353	0 00000 0 00000	10000	TEMP
03354	0 00000 0 00000	10000	CMSUM
03355	0 00000 0 00000	10000	GLDMS
03356	0 00000 0 00000	10000	FACT
03357	0 00000 0 00000	10000	GSUM
03360	0 00000 0 00000	10000	N
03361	0 00000 0 00000	10000	MEAN
03362	200000000000	00001	STRING BSS 40
03432	0 00000 0 00000	10000	OFLUC PZE
03433	200000000001	00001	MSHCTR BSS 1
03434	200000000005	00001	NAHS BSS 5
03441	200000000005	00001	OPTS BSS 5
03446	200000000001	00001	XNUMM BSS 1
03447	200000000074	00001	FFSPC BSS 60
03543	200000000001	00001	MULEVS BSS 1
03544	0 00000 0 00011	10000	NETTAP PZE 9
03545	0 00000 0 00001	10000	AAAA PZE 1

USED IN DG NORMALIZATION

SUM FOR OUTPUT COMPARISON

STORAGE FOR (FX0)
SUM OF G-WEIGHTS
NUMBER OF INPUTS
MEAN OF INPUTS
STORAGE FOR OUTPUT STRING

LNK40979
LNK40980
LNK40981
LNK40982
LNK40983
LNK40984
LNK40985
LNK40986
LNK40987
LNK40988
LNK40989
LNK40990
LNK40991
LNK40992
LNK40993
LNK40994
LNK40995
LNK40996
LNK40997

BINARY CARD ID. NETSIM02

03546	0 00000 0 00001	10000	AAA PZE 1
03547	0 00000 0 00001	10000	BBB PZE 1
03550	0 00000 0 00001	10000	XXX PZE 1
03551	0 00000 0 00001	10000	YYY PZE 1
03552	200000000001	00001	FFSWT BSS 1
03553	000000000760	10000	NETMAX DEC 22000
03554	200000000001	00001	INDICT BSS 1
03555	200000000001	00001	MAX BSS 1
03556	200000000001	00001	NOCDS BSS 1
03557	200000000001	00001	XITAY BSS 1
03560	200000000001	00001	XCENT BSS 1
03561	606060606060	10000	BLANK B 1
03562	000000777777	10000	077 OCT 000000777777
03563	000000000001	10000	01 DEC 1
03564	000000000005	10000	05 DEC 5
03565	000000000005	10000	FIVE DEC 5
03566	740574010067	10000	CGFMT BCI 3,(5(10X,F14.8))
03567	732601043310	10000	
03570	343460606060	10000	

LNK40998
LNK40999
LNK41000
LNK41001
LNK41002
LNK41003
LNK41004
LNK41007
LNK41008
LNK41010
LNK41011
LNK41012
LNK41013
LNK41014
LNK41015
LNK41016

BINARY CARD ID. NETSIM03

03571	740307306021	10000	OFBCD BCI
03572	513163304425	10000	
03573	633123236046	10000	
03574	652551264346	10000	
03575	666046232364	10000	

8,(37H ARITHMETIC OVERFLOW OCCURRED AT LOC ,05)

LNK41017

NETSIM ASSEMBLED TEXT.

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03576	512524602163	10000	
03577	604346236073	10000	
03600	460534606060	10000	
03601	000000000000	00010	CALL DUMMY1
03601	0074 00 4 06000	10011	
03602	1 00000 0 00402	10011	
03603	0 27051 0 03063	10000	
03604	000000000000	00010	CALL DUMMY2
03604	0074 00 4 06400	10011	
03605	1 00000 0 00402	10011	
03606	0 27051 0 03064	10000	
03607	0 00000 0 00001	10000	LLEV PZE 1
03610	000000000001	10000	LONG
03611	000000000005	10000	

LNK41018

LNK41019

LNK41020

BINARY CARD ID. NETSIM04

03612	377777777777	10000	
03613	010000000000	10000	
03614	377400000000	10000	
03615	377700000000	10000	
03616	000000000011	10000	
03617	000000000006	10000	
03620	000000000002	10000	
03621	200000000000	10000	

STORAGE FOR NETWORK INFORMATION

27046	000000027046	00001	CRG 11814
27046	200000000001	00001	NOCNT BSS 1
27047	0 00000 0 00000	10000	INUM
27050	200000000001	00001	KEY BSS 1

INPUT IDENTIFICATION

27051	DATA	EQU	11817
30047	SKIP	EQU	12327
30050	DT	EQU	SKIP+1
30051	FPSLN	EQU	SKIP+2
30052	MSTEP	FQU	SKIP+3
30053	GSAT	EQU	SKIP+4

STORAGE FOR LEVEL INFORMATION

30054	LEVEL	EQU	SKIP+5
30055	MS	FQU	LEVEL+1
30056	MI	EQU	LEVEL+2
30057	FPLS	EQU	LEVEL+3
30060	FMIN5	EQU	LEVEL+4
30061	FPLI	EQU	LEVEL+5
30062	FMINI	EQU	LEVEL+6
30063	RIAS	EQU	LEVEL+7
30064	ESUM	EQU	LEVEL+8
30065	OFLIP	EQU	LEVEL+9
30066	OVAL	EQU	LEVEL+10

STORAGE FOR COMPONENT INFORMATION

30303	NEXT	EQU	LEVEL+151
30304	SYMR	FQU	NEXT+1
30305	IYAL	EQU	NEXT+2
30306	SVAL	EQU	NEXT+3
30307	CPLS	EQU	NEXT+4
30310	CMNS	FQU	NEXT+5
30311	CPLI	EQU	NEXT+6
30312	CMNI	EQU	NEXT+7

TIME INCREMENT FOR DG CALCULATION
CRITERION FOR CONVERGENCE
INCREMENT FOR MS
SATURATION POINT FOR G-WEIGHT
MULT FOR STATE INPUT
MULT FOR PRIMARY INPUT
FIX FOR STATE INPUTS
FORGET FOR STATE I/P
FIX FOR PRIMARY I/P
FORGET FOR PRIMARY I/P
BIAS TO ADJUST SUM OF OUTPUTS
EXPECTED SUM OF OUTPUTS

LNK41021

LNK41023

LNK41024

LNK41025

LNK41027

LNK41028

LNK41029

LNK41030

LNK41031

LNK41032

LNK41033

LNK41034

LNK41035

LNK41036

LNK41037

LNK41038

LNK41039

LNK41040

LNK41041

LNK41042

LNK41043

LNK41044

LNK41045

LNK41046

LNK41047

LNK41048

LNK41049

LNK41050

LNK41051

LNK41052

NETSIM
ASSEMBLED TEXT.

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	30316		XANDY	EQU	NEXT+11	
	30303		LINE1	EQU	NEXT	
27051	000000000000	10000		*LDIR		
27052	452563623144	10000				
	00000	01111		END		

NO. STATE(ADDR),PRIMARY(DEER)I/P LNK41053
INPUT ADDR,SIGNED G-WEIGHT LNK41054

NETSIM
CONTROL DICTIONARY

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\$CDICT NETSIM

NETSIM05

BINARY CARD ID. NETSIM06		
003622000000	PREFACE	START=0,LENGTH=1938,TYPE=70%,CMPLX=6
000004000000		
452563623144	NETSIM DECK	LOC=0,LENGTH=1938
003622000000		
452563623144	NETSIM REAL	LOC=0,LENGTH=0
000000000000		
452563623144	NETSIM REAL	LOC=0,LENGTH=0
000000000000		
224746314563	BPOINT VIRTUAL	SECT. 4,CALL
200000100000		
452563233027	NETCHG VIRTUAL	SECT. 5,CALL
200000100000		
274751636060	GPRT VIRTUAL	SECT. 6,CALL
200000100000		
226346266060	BTDF VIRTUAL	SECT. 7,CALL
200000100000		
332647514533	.FPRN. VIRTUAL	SECT. 8,CALL
200000100000		
512445256360	RDNET VIRTUAL	SECT. 9,CALL
200000100000		
665163452563	WRTNET VIRTUAL	SECT. 10,CALL
200000100000		
BINARY CARD ID. NETSIM07		
332626314333	.FFIL. VIRTUAL	SECT. 11,CALL
200000100000		
246444447001	DUMMY1 VIRTUAL	SECT. 12,CALL
200000100000		
246444447002	DUMMY2 VIRTUAL	SECT. 13,CALL
200000100000		
332622626333	.FBST. VIRTUAL	SECT. 14,CALL
200000100000		
332625266333	.FEFT. VIRTUAL	SECT. 15,CALL
200000100000		
332666512233	.FWRB. VIRTUAL	SECT. 16,CALL
200000100000		
332666512433	.FWRD. VIRTUAL	SECT. 17,CALL
200000100000		
625051636060	SORT VIRTUAL	SECT. 18,CALL
200000100000		
512521242323	READCC VIRTUAL	SECT. 19,CALL
200000100000		
634723426060	TPCK VIRTUAL	SECT. 20,CALL
200000100000		
627062434623	SYSLOC VIRTUAL	SECT. 21
200000000000		
BINARY CARD ID. NETSIM08		
334647254560	.OPEN VIRTUAL	SECT. 22
200000000000		
335125212460	.READ VIRTUAL	SECT. 23
200000000000		

NETSIM
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336445000633	.UN06. VIRTUAL	SECT. 24
200000000000		
332623456533	.FCNV. VIRTUAL	SECT. 25
200000000000		
332343466225	.CLOSE VIRTUAL	SECT. 26
200000000000		
336445000333	.UN03. VIRTUAL	SECT. 27
200000000000		
332622436333	.FBLT. VIRTUAL	SECT. 28
200000000000		
332666435133	.FWLR. VIRTUAL	SECT. 29
200000000000		

\$DKEND NETSIM

NETSIM09

NO MESSAGES FOR THIS ASSEMBLY

NETSIN
SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	1618	C3140	2220
	2NEAT	03327	1012, 1630
	A1	00547	0,40
	A2	00552	41, 300, 301, 306
	A3	00556	0,45
	A4	00560	0,47
	AAAA	03545	
	AAA	03546	1112, 1114, 1120, 1130, 1536, 1555, 1557, 1567, 1673, 1675, 1705, 2367, 2377, 2403, 2410, 2412, 2416, 2417, 2423, 2425, 2456, 2662, 2664, 2717
	ABICAD	02502	2643, 2736
	ACCEPT	01577	1173, 1174
	ACELT	01636	1636
	ADOUTP	01152	
	AJ2	01535	1226, 1301, 1317, 1331, 1350, 1364, 1412, 1432, 1450, 1456, 1467, 1475, 1503, 1510
	AJ3	01552	
	AJUST0	01705	
	AJUST1	01227	1204
	AJUST2	01244	1202
	AJUST4	01102	1251, 1252
	AJUST	01175	1172
	AK12	00725	664, 772, 1010
	AK13	00742	674, 745
	AL21	00542	272, 302, 307, 432
	B2	00553	42, 304
	B3	00557	0,46
	B4	00561	0,50
	BACK	00411	420
	BBB	03547	2666, 2672, 2674, 2721
	BBIAS	03163	1515
	BCDA	03124	1125
	BCDB	03145	1564
	BCDC1	03206	1737
	BCDC	00602	232
	BCDD1	03220	1760
	BCDD	00607	
	BCDE1	03135	
	BCDE	00621	471
	BCDF	03114	
	BCONTL	01524	1175, 1222, 1276, 1306, 1342, 1352, 1365, 1411, 1571, 1601
	BECON	00664	1057
	BEGIN	00641	245, 251, 265, 317, 334, 351, 371, 401
	BFIN	02653	2650
	BIADJ	02603	2575
	BIASCH	00541	1542, 1544, 2702, 2707
	BIASNO	03201	2701
	BIAS	30063	653, 1005, 1217, 1220, 1225, 1277, 1316, 1327, 1347, 1355, 1356, 1363, 1406, 1414, 1446, 1454, 1473, 1501, 1535, 2633, 2665
	BIGEST	03111	
	BITER	01527	1307, 1310, 1315
	BLANK	03561	
	EOF	00640	

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BQPI	C2645	2636
BOPLPN	02644	2652
BSAT	01464	1447
BI21	00543	274, 276, 305
C10	00215	165
C128	02526	
C253	00540	134
C2	00554	43, 270
C4	00562	0,51
CGFMT	03566	
CHGSEN	01523	1332
CHIOXY	00456	136, 137
CINIT	00213	
CHINI	30312	
CHINS	30310	
CHP	C1723	1732
CHSUM	03354	1652, 1726, 1730
CNTR	00546	2521
COMCT1	01526	1417, 1423, 1442
COMCT	03343	662, 666, 670, 1210, 1416, 1441
CONT	02315	2427
CPL1	30311	
CPLS	30307	
C	C3556	57
C(2)	00544	257, 261, 271, 434
D2	00555	44, 266, 311
DATA	27051	
DNI	C1530	1216, 1255, 1266, 1273, 1274, 1302, 1326, 1343, 1345, 1353, 1357, 1362, 1403, 1405, 1431, 1445, 1451, 1453, 1457, 1461, 1462, 1470, 1472, 1476, 1500, 1505, 1507
DGO	C2015	2450, 2453, 2474, 2510
DG1	02017	2016, 2173
DG2	02020	1773, 2172, 2466
DG3.5	02067	2035, 2206
DG3.6	02070	2043, 2161, 2210, 2226, 2264, 2346
DG3	02051	2044, 2061, 2211, 2441
DG4	C2072	2151, 2442
DG5	02166	2155

DG6	02170	2047
DIFF1B	01533	1205, 1212, 1236, 1246, 1262, 1376
DIFF1	02153	2150
DIFF2B	01534	1176, 1227, 1244, 1245, 1312, 1366
DIFF2	02162	2152
DIFF	03351	2224, 2267, 2306, 2376
DLTSQG	02365	2301
DOSUM	01531	1235, 1261
DOUBSR	00402	262, 277, 330, 375
DOP1	02743	2637
DQPLPN	02740	2750
DT	30050	106, 2076
D121	00545	254, 256, 267, 436
ELEND	02436	2167, 2205
ELTS	01632	1651
ENDIP	00630	505, 515
EOB2	00212	71, 146, 444
EOB	00211	
EOT	00500	72, 147, 445

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EPSLN	30051	107, 1052
ESUM	30064	120, 1164, 1167
EXNMST	02512	2504
FI	01773	1753
FACT	03356	2025, 2104, 2200
FCHG	00152	143, 144
FFL1	00155	147
FFL2	00156	160, 161, 163
FFL3	00157	164, 166
FFL4	00170	153
FFSPC	03447	52, 156
FFSWT	03552	53, 152
FILE2	1	67, 71, 146, 423, 444, 501
FIVE	03565	
FIX	01733	
FMINI	30052	117
FMIN	03331	1772, 2463
FMINS	30060	115, 3333
FORGET	01754	1727
FOUR	00214	142, 162
FPL1	30061	116
FPL	03332	1751, 2465
FPLS	30057	114, 3332
GMS	03241	
GNC	02430	2305, 2373
GSAT	30053	111, 2122, 2123, 2233, 2270, 2313, 2316, 2317
GSET	03347	2027, 2046, 2166, 2214, 2347, 2351
GSUM1	02503	2262, 2303, 2371
GSUM	03357	2071, 2140, 2142, 2217, 2227, 2254, 2256, 2261, 2263, 2337, 2341, 2362
GWPC	00551	55, 2520
GWPT	02514	
MDLIN	03233	2732
MMOLD	01141	
MOLD	01160	
11ST	01102	752
12ND	01103	1064
1CHANG	01020	753, 1065
1COMM	00446	457, 461, 462
1MCA	02257	2234, 2235, 2240
INDICT	03554	37, 74, 170, 216, 332, 377, 645, 650, 702, 737, 1062, 1066, 1163, 1537, 1541, 1622, 1625, 1653, 1724, 2001, 2003, 2132, 2145, 2156, 2160, 2163, 2245, 2277, 2331, 2445, 2455, 2513, 2524, 2553, 2573
INEXT	03330	2004, 2642
INPUT	00424	742, 264, 316, 333, 350, 366, 400
INUM	27047	1744, 1765
IPTRA	00451	424, 464
IREAD	00466	72, 147, 445
ISM	00530	33, 123
ISUM	00754	771
ITER01	01433	1415
ITER0	01413	1374
ITER1	01375	
ITER2	01403	1372
ITER4	01310	1200, 1370
ITER	01365	2605
IVAL	30305	1007, 1102, 1103
..0001	00003	14, 13, 14

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..0002	00005	4, 7
..0003	00007	0
K20	00563	1550
KEY	27050	1716, 2460
KEYS	03200	31, 141, 1547, 1774
L120	03320	
L4M	03321	
LARGE	01511	1264
LASLEV	02454	2457, 2500
LEV1	00726	665, 773, 1075, 1577, 2610, 2654
LEVCT	03142	644, 1126, 1565, 1615, 1616, 2621, 2715
LEVFL	30054	157, 27051, 27051, 27051, 27051, 27051, 27051, 27051, 27051, 27051
LEVIR	00660	642, 1101, 1613, 1626, 2640
LEVNO	03341	2017, 2170, 2201, 2443
LIME1	30103	707, 712, 754, 757
LLEV	03607	3023, 3026, 3034, 3037, 3045, 3050, 3056, 3061, 3067, 3072
LVCNTR	02501	21, 2014, 2451, 2476
LIA	00246	241
MI	00242	247

MTRY	00547	176,243
M3A	00320	314
M3B	00327	323
M3C	00333	326
M3M	00556	200
M3N	00557	202
M3	00316	
M3(M)	00532	0,201,320,331
M3(N)	00533	0,203,324
M4A	00352	346
M4B	00364	360,373
M4C	00372	363
M4M	00560	
M4N	00561	
M4	00345	341
M4(M)	00532	352,376
M4(N)	00533	364
M5A	00256	312
M5B	00264	303,310
M5C	00266	255,260
M5D	00304	275
M5E	00311	253
M5F	00307	273
MASK	03326	2121,2232,2266,2315
MAX	03555	
MEAN	03361	2066,2073
MGPR	00550	56,2517
MINPS	00577	313,315,321,345,347,353
MI	30056	113,777,2627
MISH1	03172	1702
MISH2	01713	1662
MODE1	00240	220
MODE2	00252	222
MODE3	00313	224
MODE4	00335	226
NRCOMP	01056	1036
M	03337	0,1633,2467

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MSHCTR	03433	1660,1663,1665,1703,2470,2505,2507
MSHEND	01714	1655,1656
MSHLP	01663	1713
MS	30055	112,651,732,1105,1111,1546,2631,2655
MSTEP	30052	110,1106
NAMS	03434	2742,2753,3021,3032,3043,3054,3065
NAMES	00537	27,65
NCYCS	00600	322,325,327,365,372,374
NELT	01645	1635,1647
NETMAX	03553	102,2540
NETSIM	00000	1521,2551
NETTAP	03544	101,2537
NEWAD	01634	1650
NEWF	02465	2462
NEW	01026	1015,1040,1137
NEXSTR	02457	2511
NEXT	30303	121,530,1056,1611,1636,1645,2051,2072,2522,3327,3327,3330,3331,27051,27051,27051,27051,27051,27051,27051,27051
NMFMT	03275	3020
NM	02214	2344
NUCDS	03556	0,154
NUCNT	27046	446,450,527
NUPP	00526	460,674,1334
NUPRI	02204	2033
NORM1	02260	2212,2345
NORM2	02265	2343
NORM3	02334	2271,2272,2275
NORM4	02343	2213
NORM5	02345	2222,2223
NORM	02212	2154,2165
N	03360	2016,2064,2207
NTAG2	03331	2005,2023,2031,2110,2112,2127,2144,2176,2216,2231,2265,2310,2323,2326,2355,2365,2366,2437,2440,2444
NTRA	02353	2153,2164
NUGHTS	02435	2230,2242,2244,2432
NULEVS	03543	17,122,2010,2617
NUMIN	00536	25,64,133
NWSTT	02504	2447
OIEQ02	01476	1233
O1	03563	
O5	03564	
O77	03562	3074,3035,3046,3057,3070
OFBCD	03571	2563
OFF	01045	1044
OFLIP	30065	1011,1076,1100,1604,1607
OFLOC	03432	711,717,731,756,764,776,1004,1031,1051,1053,1541,2022,2054,2077,2103,2111,2137,2175,2253,2336,2360,2400,2564
OFLOW	02557	714,721,735,761,766,1002,1005,2024,2056,2100,2106,2113,2177,2363,2401
OIR	03345	
OLDMS	03355	652,1545
OLD	01037	1013,1042
ONELEV	02476	2013
ONEREC	00527	454
ONE	03324	261,336,343,416,531,643,667,1543,1614,1664,1741,1762,1776,2350,2555
OP2	01140	
OPEND	01732	1715

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OPSNUM	03240	127, 1740, 1742, 1761, 1763, 2523, 2530
OPTS	03441	2744, 2754, 2761, 2763, 2767, 2771, 2775, 2777, 3003, 3005, 3011, 3013, 3030, 3041, 3052, 3063, 3074
OPUT	01010	744, 746
OSIZE	00310	
OSUM1	01525	1224, 1231, 1234, 1375, 1413, 1426, 1434
OSUM	03534	661, 1032, 1034, 1170, 1223, 1230, 1433, 2603
OUTBSR	00421	402
OVAL	30066	705, 747, 1602, 1606, 1620, 2015, 2040, 2202, 2635
PBCD1	03264	2714
PBCD4	03302	
PCENTB	01532	1253, 1265, 1267, 1600
PCENT	00562	207, 362
PR2	03105	2611, 2612, 3102
PRINT	02607	1610
PRLIN	00745	701, 741
PRTRA	03107	2607
PSKP	03113	
QADTO	02606	2556, 2571, 2604
QDEF	02752	2746, 2755
QWLP	02737	3104
OPANT	02706	2751, 2752
QUOT	03352	
RANGE	01522	1304
RBCD	03250	2544
READOP	00539	23, 63
READ	00443	
READS	00575	244, 246, 250
RECSKP	00141	465
RESCY	00601	342, 344, 354, 367
RESET	01351	1340
REVER1	01215	655, 1335
REVER2	01314	656, 1336
REVSIN	01332	1241, 1242, 1401, 1402, 1463
REVS	01457	1443, 1444
RSCAL	03346	
LCTR	BLCTR	
QUAL	UNQS	
LCTR	//	
	SAT	01136 1025
	SAV2	02552 2527
	SAVEN	00651 1617
	SAVFOR	02426 2404
	SCALE	03344
	SCHED	00216 172, 177, 205, 210, 1777, 2525, 2554
	SET2	01274 1256, 1325
	SETOZE	02322 2312, 2314, 2402
	SETSM	02555 1033, 1443, 2141, 2255, 2340
	SGWT	03112 2241, 2250
	SHFOTF	01143
	SHT	01142
	SKIP	30047 100, 125, 130, 131, 132, 213, 415, 417, 452, 454, 2532, 2536, 27051, 27051, 27051, 27051
	SMALC2	01326 1322
	SMALCH	01320 1271
	SMALL	01652 1646
	SNEXT	30303 124
	SOGWT	02354 2134, 2247, 2333

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SSUM	00707	724
STABL	01161	1072
STRING	03362	1632, 1642, 1644, 1666, 1720, 1721, 1723
STRINO	02475	2007, 2457, 2471, 2473
STRIR	03350	
SVAL	30306	736, 1016
SYMB	30304	
TCYCL	00564	431
TEMP	03353	1166, 1171
TENTH	03322	1165
THREE	00534	
TODIG1	01470	1300, 1330, 1474
TODIG2	01504	1502
TODIG	01451	1437, 1440
TOTAL	00576	335, 337, 356, 370
TRIAL	03336	657, 1035, 1060, 1074
TRI	01071	1061
TRYS	00031	1067
TSUM	03335	700, 720, 722, 727, 751, 765, 767, 774, 2050, 2055, 2057
TWO	03325	453
ULTIM	01620	1612
UNSI	01105	1104
UN52	01111	
UNSAT	02231	2260
UNSTA	01104	1073
WDOHE	00531	463
WORD1	03313	
WRES	02527	525
X1TRY	03557	175
XANDY	30316	671
XCENT	03560	206
XNUMM	03446	
XXXX	03550	77, 2623
Y	03337	54
YYYY	03551	673, 2625
ZERO	03323	355, 1041, 2276
ZITER	00657	1135, 1551, 1576
ZZZ	00423	414

REFERENCES TO VIRTUAL SYMBOLS.

BPOINT	4	2420
RTOP	7	1113, 1552, 1670, 2405, 2657, 2667, 2756, 2764, 2772, 3000, 3006
DUMMY1	12	3601
DUMMY2	13	3604
GPR1	6	2514
.CLUSE	26	500
.FBLT.	28	2620, 2622, 2674, 2526, 2630, 2632, 2634, 2646
.FBST.	14	411
.FCNV.	25	433, 435, 437, 1127, 1131, 1566, 1570, 1572, 1704, 1706, 1743, 1745, 1764, 1766, 2565, 2703, 2716, 2720, 2722, 3025, 3027, 3031, 3036, 3040, 3042, 3047, 3051, 3053, 3060, 3062, 3064, 3071, 3073, 3075
.FEFT.	15	521
.FFIL.	11	233, 440, 472, 506, 516, 1132, 1516, 1573, 1707, 1746, 1767, 2545, 2566, 2704, 2723, 2733, 3076
.FPRN.	8	227, 466, 502, 2541
.FWLR.	29	2653

NETSIM SYMBOL REFERENCE DATA

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.FWRB.	16	2613
.FWRD.	17	425, 511, 1121, 1511, 1560, 1676, 1733, 1754, 2557, 2675, 2710, 2726, 3014
.OPEN	22	66
.READ	23	70, 145, 443
.UNO3.	27	524, 2616
.UNO6.	24	430, 514, 1124, 1514, 1563, 1701, 1736, 1757, 2562, 2700, 2713, 2731, 3017
NETCHG	5	103
RDNET	9	75
READCC	19	34
SORT	18	2413
SYSLOC	21	10
TPCK	20	60
WRTNET	10	2533

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\$IBLDR RFADC		11/01/65	READ0000
\$IBLDR TPCK1		11/01/65	TPCK0000
\$IBLDR RONE1		11/01/65	RDNE0000
\$IBLDR WRTNE1		11/01/65	WRTN0000
\$IBLDR GPR11		11/01/65	GPR10000
\$IBLDR DUMMY1	22 OCT 64 20/34/53		DUMMY100
\$IBLDR DUMMY2	22 OCT 64 20/34/53		DUMMY200
\$IBLDR NETCH		06/22/65	NETC0000
SENTRY	MAIN		

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OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

\$ORIGIN	BEGINX	IS LINK	1, PARENT LINK IS	0
\$ORIGIN	BEGINX	IS LINK	2, PARENT LINK IS	0
\$ORIGIN	BEGINX	IS LINK	3, PARENT LINK IS	0
\$ORIGIN	BEGINX	IS LINK	4, PARENT LINK IS	0
\$ORIGIN	BETAXX, 12288	IS LINK	5, PARENT LINK IS	4
\$ORIGIN	GAMMAX, 30000	IS LINK	6, PARENT LINK IS	5

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• MEMORY MAP •

SYSTEM		00000 THRU 02717
FILE BLOCK	ORIGIN	02720
FILES	1.	UNIT01
	2.	UNIT03
	3.	UNIT04
	4.	UNIT08
	5.	UNIT09
	6.	UNIT10
	7.	UNIT11
	8.	UNIT12
	9.	FILE2
	10.	UNIT05
	11.	UNIT06
FILE LIST ORIGIN		03124
PRE-EXECUTION INITIALIZATION		03152
CALL ON OBJECT PROGRAM		03203
OBJECT PROGRAM		03210 THRU 74057

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		.AOUT	07706	.OOUT	07717	.LOUT	07746	.DFLT	07756	.FLT	10273
		.FXFL1	10400	.FXD	10404	.FXFL2	10407	.FXFL3	10413	.INTG	10417
		.TOPAC	10435	.WIDTH	10441	.FPACK	10446	.TEST	10447	.KOUNT	10502
		.LIST	10505	.DONE	10513	.OUTBF	11202	.CHAR	11434	.FDBBF	11447
		.DDDFL	11476	.DDFLG	11477	.WORD	11500	.MQD	11501	.PEX	11502
FIOB	11523	.FEKP	11503	.DIG	11504	.DEKPN	11505				
		.FIOB.	11523	.FCNT	11624	.FWLT.	11722	.FBDT.	11742	.FRLR.	11766
		.FRLR.	(11766)	.FWLR.	12032	.FWLR.	(12032)	.FBIBF	12072	.FRTE	12166
FIOS	12175	.FIOS.	12175	.FSEL.	12335	.FILR.	12341 *	.FRTO.	12350	.FRTO.	12355
		.FILL.	12360	.FCLS	12362 *	.FUPN	12366 *	REOF	12372 *	.YOUT.	12355
		.REED	12543 *	.BIN	12544 *	.FCT	12545	.FCKSZ	12547		
		.FIOM.	12631	.FFIL.	13472	.FRTN.	13520				
		.FWRD.	13672								
FIRB	13716	.FWRB.	13716								
FRDD	13742	.FRDD.	13742								
FRDB	13770	.FRDB.	13770								
FPRN	14014	.FPRN.	14014								
.UNO2.	14152	.UNO2.	(14152)								
UNO5	14153	.UNO5.	14153								
UNO6	14154	.UNO6.	14154	.BUFSZ	14155						
.UNO7.	14160	.UNO7.	(14160)								
.UNI3.	14161	.UNI3.	(14161)								
.UNI4.	14162	.UNI4.	(14162)								
.UNI5.	14163	.UNI5.	(14163)								
.UNI6.	14164	.UNI6.	(14164)								
.UNI7.	14165	.UNI7.	(14165)								
.UNI8.	14166	.UNI8.	(14166)								
FSQR	14167	SQRT	14167								
FBST	14242	.FBST.	14242								
FEFT	14463	.FEFT.	14463								
FRWT	14563	.FRWT.	14563								
FSLBI	14662	.FBLI.	14700	.FBDT.	14706 *						
FSLI	14720	.SLI.	14720	.SLI1.	14725	.SDI.	14733	.SDI1.	1474		
FSLDO	14757	.FSLO.	14775	.FSDO.	15003 *						
FSLBO	15014	.FBLQ.	15032	.FBDO.	15040 *						
FSLQ	15052	.SLO.	15052	.SLO2.	15060	.SDU.	15065	.SDO2.	15077		
FVIO	15111	.FVIO.	15111								
.IOCS	15235	.LIOI	15235	.MONSW	15255	.TEUR	15324	.DEF1.	15404	.JOINX	15450 *
		.CLOS.	15467	.ATTG.	15502	.SH1	15714 *	.SM9	15756 *	.OPEN.	15777
		.OP4	16025 *	.OP7	16056 *	.OP9-2	16072 *	.RLSE.	16136	.RER2.	16136
		.READ.	16137	.RERI.	16162	.WRIT.	16164	.MNTIA	16352 *	.EOFFX	16433 *
		.FEET	16503	.GTIOX	16524	.RW7	16642 *	.RET7	17261 *	.EMOTR	17722
		.SEL59	17724 *	.BSR.	20335	.EDTOF	20460	.ETOFG	20466 *	.SWTC	20514
		.TCHEX	21016	.BASIO	21021 *						
.IOCSM	21022										
NETGEN	21022	NETGEN	(21022)	NETGEN	(21022)						
ISUMA1	31305	ISUMA	31736								
GENXY1	31360	GENXY	32657								
PUTREC	32721	PUTREC	32756								
CONEC	33004	CONECT									

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```

NETA2 32414      NETAS2 34153
4 NETSIM 21022    NETSIM (21022)  NETSIM (21022)
  READC 24644    READCC 25256
  TPCR1 25376    TPCR 25545
  RDNE11 25573   RDNL 25712
  WRTNE1 25740   WRTNET 26367
  GPRT1 26117    GPRT 26441

5 DUMMY1 30000    DUMMY1 (30000)
6 DUMMY2 72460    DUMMY2 (72460)
  NETCH 72500     NETCHG 73746

```

```

I/O BUFFERS      74060 THRU 77753
UNUSED CORE      77764 THRU 77777
CONTROL CARD
  READOP= 2
  NUMIN= 36
  NAMES= 12
EVS=000000100000
SM=7

```

NETWORK SPECIFICATIONS

```

NO. OF LEVELS= 2
DY= 0.599999994
EPSLN= 0.099999994
NSTEP= 0.100000
GSAT=1.0000000
CONG=0.5000000

```

READY CONTROL CARD

```

0000000000ICINP2 MAX 1 0 03 -0 12 12 12 1 -0 -0 -0 -0
  READOP= 2
  NUMIN= 36
  NAMES= 12
NINPS=000000000014  NCYCS=000000000014  INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.12086539
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24960235
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37833931
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31397083
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28178661
** CONTROL=000000000007
  5 BIAS CHANGES

```

```

LEVEL 1 MS = 0.20000000 BIAS = -0.28178661

```

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0560676	2. 1	0.	3. 1	0.	4. 1	0.0300034	5. 1	0.7346227
6. 1	0.2043122	7. 1	0.0128990	8. 1	0.2171668	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1767785
16. 1	0.1134861	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2201116	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2503265	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0112631	32. 1	0.	33. 1	0.	34. 1	0.2442960	35. 1	0.7063614
36. 1	0.4982831	37. 1	0.	38. 1	0.	39. 1	0.1623816	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0819620	48. 1	0.3509638	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2283224	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0639053	63. 1	0.	64. 1	0.1142501	65. 1	0.
66. 1	0.3036441	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37386951
** CONTROL=000000000001
  1 BIAS CHANGES

```

```

LEVEL 2 MS = 0.01000000 BIAS = 0.37386951

```

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5584523	2. 2	0.4415477	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.55845								
SUM NO. 2 IS	0.44155								

```

*** 1 INPUT HI IDENTIFICATION CORRECT
NINPS=000000000013  NCYCS=000000000014  INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34493962
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84164593
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33815223

```


** CONTROL=000000000003
 LEVEL 1 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08999908
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08999908

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2468480	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.4122943	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6442276	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.8963225
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.4093587
31. 1	0.3346429	32. 1	0.1332881	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6878108	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1454929	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4098358	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7008188	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2600507	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95383812

** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72691907

** CONTROL=000000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.72691907

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2696456	2. 2	0.7083905	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.26965								
SUM NO. 2 IS	0.70839								

*** 2 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.09492627

** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.21236171

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.32979715

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27107944

** CONTROL=000000000007

BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.27107944

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0707964	5. 1	0.2800895
6. 1	0.	7. 1	0.0560868	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0890306	20. 1	0.
21. 1	0.0454879	22. 1	0.4217470	23. 1	0.	24. 1	0.	25. 1	0.1459005

26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.2113044	33. 1	0.1419679	34. 1	0.	35. 1	0.
36. 1	0.2710391	37. 1	0.	38. 1	0.7324083	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0811255	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1660610	55. 1	0.
56. 1	0.	57. 1	0.4613304	58. 1	0.	59. 1	0.	60. 1	0.1833485
61. 1	0.	62. 1	0.	63. 1	0.5178607	64. 1	0.4800267	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2497721	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.43167292

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.86334586

** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64750940

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.75542763

** CONTROL=000000000007

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.75542763

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.8920818	2. 2	0.1064920	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.89208								
SUM NO. 2 IS	0.10649								

*** 3 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35124192
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77137485
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19150779
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98144132
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08647455
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08647455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6318640	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1246036	24. 1	0.6001412	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4305101	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6577417	42. 1	0.8258348	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.4424371	48. 1	0.3559653	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0575133	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2972596	58. 1	0.	59. 1	0.	60. 1	0.0974367
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.38282470
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.38282470

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.6171753	2. 2	0.3576731	3. 2	0. 0	4. 2	0. 0	5. 2	0. 0
SUM NO. 1 IS	0.61718								
SUM NO. 2 IS	0.35767								

*** 4 INPUT V2 IDENTIFICATION INCORRECT.
 MINPS=000000000011 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.32713445
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70744336
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08778226
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89761281
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99269754
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94515517
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.94515517

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0660943	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5057980	17. 1	0.	18. 1	0.	19. 1	0.0792052	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1863207	24. 1	0.5314023	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3502648	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5602327	42. 1	0.9751018	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.3277916	48. 1	0.3174058	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1505861	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2866554	58. 1	0.0869453	59. 1	0.	60. 1	0.1710345
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1714049	72. 1	0.1685986	73. 1	0. 0	74. 1	0. 0	75. 1	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.10535453
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.21070910
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.21070910

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	3. 2	0. 0	4. 2	0. 0	5. 2	0. 0
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 5 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.10253797
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23771323
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37288849
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30530086
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.30530086

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.2177785	8. 1	0.	9. 1	0.	10. 1	0.5601566
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1406946	19. 1	0.	20. 1	0.
21. 1	0.2803529	22. 1	0.5124598	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4716786	29. 1	0.1876866	30. 1	0.
31. 1	0.	32. 1	0.0326338	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5483770	39. 1	0.	40. 1	0.1796009
41. 1	0.0079907	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3497322	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1431412
56. 1	0.	57. 1	0.4576093	58. 1	0.1993753	59. 1	0.	60. 1	0.207332
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3865726
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23352690
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.46705382
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.46705382

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 6 INPUT H3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45862404
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95151506
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.44440609
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19796059
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07473783
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13634920
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.13634920

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1578111	4. 1	0.5258948	5. 1	0.0646013
6. 1	0.6485136	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7981276
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3532034	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1111967	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3002881	29. 1	0.1366763	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6196771
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1633742	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.0666302	53. 1	0.0349779	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1198808	60. 1	0.4180507
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0787559	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.07876								
SUM NO. 2 IS	0.								

*** 7 INPUT V3 IDENTIFICATION INCORRECT.
 MINPS=000000000007 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43176268
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89692625
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36208983
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12950805
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01321717
 ** CONTROL=000000000007
 5 BIAS CHANGES


```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.41092080
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.82184163
** CONTROL=000000000003
      BIAS CHANGES

```


LEVEL 2 MS = 0.01000000 BIAS = 0.82164163

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS								
SUM NO.	2 IS		1.000000						

*** 9 INPUT M4 IDENTIFICATION INCORRECT.
 MINPS=000000000006 NCYCS=000000000013 INDICT=000000000001

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1922597	4. 1	0.0313555	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1066879	10. 1	0.1997232
11. 1	0.	12. 1	0.1760588	13. 1	0.	14. 1	0.2538983	15. 1	0.
16. 1	0.3171718	17. 1	0.1801726	18. 1	0.1772898	19. 1	0.1630923	20. 1	0.0403540
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0463079	27. 1	0.3259604	28. 1	0.1112901	29. 1	0.1486238	30. 1	0.1488124
31. 1	0.0184079	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2493038	38. 1	0.	39. 1	0.0827000	40. 1	0.1359526
41. 1	0.	42. 1	0.	43. 1	0.0590295	44. 1	0.0157090	45. 1	0.0616079
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2354236	50. 1	0.
51. 1	0.0528629	52. 1	0.2120585	53. 1	0.0135135	54. 1	0.	55. 1	0.1737688
56. 1	0.1129079	57. 1	0.	58. 1	0.	59. 1	0.1612224	60. 1	0.0541117
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2550384
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2706645	70. 1	0.1993510
71. 1	0.2701586	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.00000000
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.25000000
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.12500000
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.18750000
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.18750000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3322678	2. 2	0.6790079	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS								
SUM NO.	2 IS		0.67901						

*** 10 INPUT M4 IDENTIFICATION INCORRECT.
 MINPS=000000000006 NCYCS=000000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05539745
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.12679400
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.09109573
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.10894486
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.10894486

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0691843	4. 1	0.0919082	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0881039	10. 1	0.1154515
11. 1	0.	12. 1	0.1375534	13. 1	0.	14. 1	0.1573900	15. 1	0.0264341
16. 1	0.2791287	17. 1	0.1448340	18. 1	0.1265072	19. 1	0.1205598	20. 1	0.0898488
21. 1	0.1029349	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0756204	27. 1	0.2840785	28. 1	0.1025498	29. 1	0.0932757	30. 1	0.1202169
31. 1	0.1071086	32. 1	0.	33. 1	0.	34. 1	0.0327698	35. 1	0.
36. 1	0.	37. 1	0.1102325	38. 1	0.	39. 1	0.1729473	40. 1	0.0980661
41. 1	0.	42. 1	0.	43. 1	0.1310935	44. 1	0.0814200	45. 1	0.1152903
46. 1	0.	47. 1	0.0137487	48. 1	0.	49. 1	0.1195927	50. 1	0.
51. 1	0.1382921	52. 1	0.0914446	53. 1	0.1217832	54. 1	0.	55. 1	0.1166225
56. 1	0.1255116	57. 1	0.	58. 1	0.	59. 1	0.1183386	60. 1	0.0639020
61. 1	0.0585314	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1825791
66. 1	0.	67. 1	0.1264138	68. 1	0.	69. 1	0.1996759	70. 1	0.1005373
71. 1	0.1812586	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.87072501
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.68536252
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.09268127
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79634066
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94451097
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.94451097

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5327831	2. 2	0.5304108	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.53278								
SUM NO. 2 IS	0.53041								

*** 11 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000005 KEYCS=000000000014 INDICT 000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38494562
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.81781490
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25068419
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33424954
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14244686
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08835821
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.09835821

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6246995	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4597138
16. 1	0.	17. 1	0.	18. 1	0.0447258	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1234835	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0915910	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4910316	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3988049
46. 1	0.4561374	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1727877
51. 1	0.6233291	52. 1	0.2968858	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1138834	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5653044	68. 1	0.	69. 1	0.1804201	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9321211	2. 2	0.	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.93212								
SUM NO. 2 IS	0.								

*** 12 INPUT V4 IDENTIFICATION INCORRECT
 MINPS=000000000005 KEYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34284951
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73555188
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12825425
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93190306
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.93190306

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.5741462	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.3563718
16. 1	0.	17. 1	0.	18. 1	0.1899849	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.2065566	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2040720	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1371602	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5238988	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3198858
46. 1	0.3641348	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2364838
51. 1	0.5410770	52. 1	0.2464258	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1792058	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0838482	67. 1	0.3614234	68. 1	0.	69. 1	0.2247031	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.05901082
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.27900542
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88950272
 ** CONTROL=000000000007
 4 BIAS CHANGES

*** 13 INPUT V4 IDENTIFICATION CORRECT
KINPS=000000003004 NCYCS=000000000014 INDICT=000000000001

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.04710290
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.12713496
** CONTROL=000000000003
2 BIAS CHANGES

```

LEVEL 1 MS = 0.20000000 BIAS = -0.12713496

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1816023	3. 1	0.5510946	4. 1	0.	5. 1	0.
6. 1	0.0521366	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.2710083	14. 1	0.1980502	15. 1	0.
16. 1	0.	17. 1	0.3415904	18. 1	0.0173994	19. 1	0.	20. 1	0.2170927
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.6924614	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0253985
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.5196683	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.1309806	43. 1	0.0008648	44. 1	0.	45. 1	0.3634545
46. 1	0.0899530	47. 1	0.	48. 1	0.	49. 1	0.2972793	50. 1	0.1666115
51. 1	0.	52. 1	0.	53. 1	0.0790243	54. 1	0.	55. 1	0.
56. 1	0.2835648	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.

61. 1	G.0281749	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0681502
60. 1	0.	67. 1	0.1694535	68. 1	0.	69. 1	0.1645209	70. 1	0.
71. 1	0.1733583	72. 1	0.1187772	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL	2 Z OUTPUT OUT OF RANGE, NEW BIAS =	0.39534302							
..	CONTROL=00000000001								
LEVEL	2 Z OUTPUT OUT OF RANGE, NEW BIAS =	0.53652395							
..	CONTROL=00000000002								
..	2 BIAS CHANGES								

LEVEL ? MS = 0.01000000 BIAS = 0.53652395

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO.	1. 2	J.328462B	2. 2	0.7450379	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	2 IS	C.32846								
		C.74504								

```

*** 14 INPUT H5
MINPS=000000000004
IDENTIFICATION INCORRECT.
NCYCS=000000000013 INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.02200320
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05705230
** CONTROL=000000000003
  2 BIAS RANGES

```

LEVEL 1 MS = 0.20000000 BIAS = 0.05705230

[illegible]

LEVEL 2 MS = 0.01000000 BIAS = 0.72402876

	COMP.	INPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO.	1. 2	0.2014424	2. 2	0.8958510	0. 0	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	2 IS	0.20144		0.89585								

*** 15 INPUT M5 IDENTIFICATION INCORRECT.
MINPS=00000000004 NCYCS=000000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06685187
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.44375218
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25530203
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.16107695
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20818949
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.18463323
** CONTROL=000000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.18463323

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1400798	3. 1	0.0961698	4. 1	0.	5. 1	0.
6. 1	0.1179028	7. 1	0.	8. 1	0.1255105	9. 1	0.1098007	10. 1	0.
11. 1	0.0033675	12. 1	0.1247701	13. 1	0.1641105	14. 1	0.1391879	15. 1	0.1355497
16. 1	0.0177969	17. 1	0.0857618	18. 1	0.1430964	19. 1	0.	20. 1	0.1029299
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1297694	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0605081	30. 1	0.1663611
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1382964	35. 1	0.
36. 1	0.	37. 1	0.0947808	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1270898	42. 1	0.1659642	43. 1	0.1306118	44. 1	0.1546223	45. 1	0.1392560
46. 1	0.1733222	47. 1	0.1465658	48. 1	0.	49. 1	0.1502012	50. 1	0.1312777
51. 1	0.	52. 1	0.1230704	53. 1	0.1659312	54. 1	0.	55. 1	0.0735214
56. 1	0.1035204	57. 1	0.	58. 1	0.	59. 1	0.0903965	60. 1	0.
61. 1	0.2244854	62. 1	0.	63. 1	0.0574682	64. 1	0.	65. 1	0.2078564
66. 1	0.1370503	67. 1	0.1788554	68. 1	0.	69. 1	0.1528969	70. 1	0.
71. 1	0.1583944	72. 1	0.1198443	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.47480924
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94961852
** CONTROL=000000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.71221389
** CONTROL=000000000007
3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.71221389

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1636015	2. 2	0.7625954	3. 2	0.	4. 2	0.	5. 2	0.

SUM NO. 1 IS 0.16360
SUM NO. 2 IS 0.76260

*** 16 INPUT M5 IDENTIFICATION INCORRECT.
MINPS=000000000004 NCYCS=0000000000011 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.00000000
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 11.33837390
** CONTROL=000000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.70390916
** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.88667682
** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.47806063
** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.77375254
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42159849
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24552147
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33355998
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28954072
** CONTROL=000000000007
10 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.28954072

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0457993	2. 1	0.0973878	3. 1	0.0926933	4. 1	0.	5. 1	0.
6. 1	0.1130584	7. 1	0.	8. 1	0.0990499	9. 1	0.1565528	10. 1	0.
11. 1	0.0942421	12. 1	0.1179854	13. 1	0.0773575	14. 1	0.1136322	15. 1	0.0683884
16. 1	0.1114789	17. 1	0.1116507	18. 1	0.1259336	19. 1	0.0951266	20. 1	0.1154474
21. 1	0.	22. 1	0.	23. 1	0.0498775	24. 1	0.0709221	25. 1	0.
26. 1	0.0652269	27. 1	0.	28. 1	0.	29. 1	0.1011413	30. 1	0.1073644
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1232488	35. 1	0.
36. 1	0.	37. 1	0.0603374	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1004208	42. 1	0.1207321	43. 1	0.1195555	44. 1	0.1232398	45. 1	0.1049598
46. 1	0.1020751	47. 1	0.1295748	48. 1	0.	49. 1	0.1137177	50. 1	0.0514107
51. 1	0.	52. 1	0.0967120	53. 1	0.1374993	54. 1	0.	55. 1	0.1334447
56. 1	0.0498892	57. 1	0.	58. 1	0.	59. 1	0.1042727	60. 1	0.
61. 1	0.1976135	62. 1	0.	63. 1	0.0985513	64. 1	0.	65. 1	0.1208499
66. 1	0.1058479	67. 1	0.0855711	68. 1	0.	69. 1	0.1130746	70. 1	0.
71. 1	0.1081267	72. 1	0.1210790	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.47183390
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98591696
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.74295849
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.86443771
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.86443771

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4464653	2. 2	0.6221224	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.44647								
SUM NO. 2 IS	0.62212								

*** 17 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=000000000010 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.70833330
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 18.74037457
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 9.47435391
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.84134364
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.52483848
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.36658591
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.78745963
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49789649
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.35311493
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42550571
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38931033
 ** CONTROL=000000000007
 12 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.38931033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1284265	2. 1	0.1057373	3. 1	0.1002096	4. 1	0.0727934	5. 1	0.
6. 1	0.1053948	7. 1	0.	8. 1	0.0862591	9. 1	0.059283	10. 1	0.
11. 1	0.1225451	12. 1	0.0817891	13. 1	0.0846848	14. 1	0.054251	15. 1	0.1009914
16. 1	0.1393000	17. 1	0.0923342	18. 1	0.1147075	19. 1	0.0898567	20. 1	0.0967452
21. 1	0.	22. 1	0.	23. 1	0.1154202	24. 1	0.0882325	25. 1	0.0688479
26. 1	0.1141355	27. 1	0.0301127	28. 1	0.	29. 1	0.1045309	30. 1	0.1016495
31. 1	0.0022486	32. 1	0.0318302	33. 1	0.	34. 1	0.1122544	35. 1	0.
36. 1	0.	37. 1	0.0954619	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0840974	42. 1	0.0959210	43. 1	0.1213466	44. 1	0.1024306	45. 1	0.0961163
46. 1	0.0690428	47. 1	0.1165127	48. 1	0.	49. 1	0.0973273	50. 1	0.0780717
51. 1	0.	52. 1	0.1238957	53. 1	0.1335319	54. 1	0.	55. 1	0.1329392
56. 1	0.0852917	57. 1	0.	58. 1	0.	59. 1	0.1202564	60. 1	0.
61. 1	0.1658866	62. 1	0.	63. 1	0.0932234	64. 1	0.	65. 1	0.0929953
66. 1	0.1048335	67. 1	0.0885032	68. 1	0.0431649	69. 1	0.0974545	70. 1	0.
71. 1	0.094511	72. 1	0.1034946	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.50000000								
** CONTROL=000000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	1.33598762								
** CONTROL=000000000003									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.91799481								
** CONTROL=000000000007									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.70899741								
** CONTROL=000000000007									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.81349611								

** CONTROL 000000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.81349611

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5295500	2. 2	0.4716966	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.52955								
SUM NO. 2 IS	0.47170								

*** 18 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38540535
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83701277
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.28862019
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06281649
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.06281649

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3531490	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3268355	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2332335	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.7149817	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6485812	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.5302852	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5513875
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1025222
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3747192	64. 1	0.2677367	65. 1	0.0862084
66. 1	0.0904917	67. 1	0.6152571	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.22871871
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.45743744
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45743744

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.00000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.000000								
SUM NO. 2 IS	0.								

*** 19 INPUT V5 IDENTIFICATION INCORRECT.
 MINPS=000000003 NCYCS=000000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35229295
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.76893985
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18558675
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97726330
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87310158
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92518243
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.92518243

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2625197	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3121215	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2466887	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0743468	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.5896319	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.5753982	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0013580	39. 1	0.3786416	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.1529161	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4241861
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1988973
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3072568	64. 1	0.2800727	65. 1	0.2023373
66. 1	0.1925404	67. 1	0.5435665	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 9.53140426
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 5.01570213
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.75785106
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.62892555
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.06446278
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.34669416
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.48780384
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.41725200
 ** CONTROL=000000000007
 9 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.41725200

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0669115	2. 2	0.9657162	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.06691								
SUM NO. 2 IS	0.96971								

*** 20 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000002 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.06555659
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.13343181
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.13343181

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2401834	3. 1	0.0613534	4. 1	0.	5. 1	0.
6. 1	0.5787833	7. 1	0.	8. 1	0.5359581	9. 1	0.5033501	10. 1	0.
11. 1	0.0777799	12. 1	0.	13. 1	0.3948807	14. 1	0.3242249	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0327537
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0353073	25. 1	0.0564746
26. 1	0.1958067	27. 1	0.1375144	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.1886524	32. 1	0.	33. 1	0.	34. 1	0.1285426	35. 1	0.0296700
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0843540	43. 1	0.	44. 1	0.0731065	45. 1	0.
46. 1	0.1764298	47. 1	0.1066169	48. 1	0.4227104	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.0408852	59. 1	0.	60. 1	0.
61. 1	0.1495070	62. 1	0.1149956	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2966116	67. 1	0.2768729	68. 1	0.	69. 1	0.1816711	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.48393445
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.96786892
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.96786892

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0300250	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.03003								
SUM NO. 2 IS	1.00000								

*** 21 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=000000000002 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01651862
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03679676
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03679676

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0373551	2. 1	0.1591712	3. 1	0.1570194	4. 1	0.	5. 1	0.
6. 1	0.0617996	7. 1	0.	8. 1	0.2344398	9. 1	0.1395712	10. 1	0.
11. 1	0.1295281	12. 1	0.	13. 1	0.	14. 1	0.1267135	15. 1	0.0082471
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0987706
21. 1	0.	22. 1	0.	23. 1	0.1245663	24. 1	0.0634334	25. 1	0.2044874
26. 1	0.1436074	27. 1	0.2181142	28. 1	0.	29. 1	0.	30. 1	0.1759577
31. 1	0.0644354	32. 1	0.	33. 1	0.	34. 1	0.1571184	35. 1	0.1135668

36. 1	0.2219300	37. 1	0.2071889	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2123104	42. 1	0.0434507	43. 1	0.1615191	44. 1	0.0485307	45. 1	0.
46. 1	0.1120270	47. 1	0.2352436	48. 1	0.1636781	49. 1	0.0318955	50. 1	0.0065665
51. 1	0.	52. 1	0.	53. 1	0.1300260	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.1679550	59. 1	0.	60. 1	0.
61. 1	0.2782001	62. 1	0.1311971	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0316949	67. 1	0.2326525	68. 1	0.	69. 1	0.1901521	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.8578406
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.6787420
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.67874704

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3632837	2. 2	0.5573021	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.38328								
SUM NO. 2 IS	0.55730								

*** 22 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=000000000002 NCYCS=000000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06584169
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22557393
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.14570782
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.14570782

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1630869	2. 1	0.1136605	3. 1	0.1070436	4. 1	0.	5. 1	0.0365545
6. 1	0.0691009	7. 1	0.	8. 1	0.1402931	9. 1	0.0982562	10. 1	0.
11. 1	0.1140321	12. 1	0.	13. 1	0.0931605	14. 1	0.1036386	15. 1	0.1007917
16. 1	0.0555551	17. 1	0.	18. 1	0.0524791	19. 1	0.	20. 1	0.1612352
21. 1	0.	22. 1	0.	23. 1	0.1562731	24. 1	0.1201458	25. 1	0.1184046
26. 1	0.1293533	27. 1	0.1143647	28. 1	0.	29. 1	0.	30. 1	0.1224103
31. 1	0.1340956	32. 1	0.	33. 1	0.0984805	34. 1	0.1046045	35. 1	0.1016064
36. 1	0.1099260	37. 1	0.0749590	38. 1	0.	39. 1	0.0700211	40. 1	0.
41. 1	0.1397948	42. 1	0.1324454	43. 1	0.1522334	44. 1	0.1209866	45. 1	0.0386205
46. 1	0.1426167	47. 1	0.1005801	48. 1	0.0597405	49. 1	0.0683535	50. 1	0.1358189
51. 1	0.	52. 1	0.	53. 1	0.0962604	54. 1	0.	55. 1	0.
56. 1	0.0739809	57. 1	0.	58. 1	0.1065146	59. 1	0.	60. 1	0.
61. 1	0.1244538	62. 1	0.1395309	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1284084	67. 1	0.0688042	68. 1	0.0367563	69. 1	0.1481622	70. 1	0.
71. 1	0.008-211	72. 1	0.1160100	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.77397826
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.63698913
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.63698913

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4566874	2. 2	0.4633039	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.45669								
SUM NO. 2 IS	0.46330								

*** 23 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=000000000002 NCYCS=000000000011 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06899975
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.76152571
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.41526249
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.24213114
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.65556547
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.36228263
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.21564122
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28896192
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25230157
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23397140
 ** CONTROL=000000000007
 10 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.23397140

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2751940	2. 1	0.0937422	3. 1	0.1329312	4. 1	0.	5. 1	0.1107529
6. 1	0.1122908	7. 1	0.0731096	8. 1	0.1184096	9. 1	0.0863026	10. 1	0.
11. 1	0.0987537	12. 1	0.0414675	13. 1	0.0948003	14. 1	0.0743381	15. 1	0.0831774
16. 1	0.0787865	17. 1	0.	18. 1	0.0808881	19. 1	0.	20. 1	0.1016396
21. 1	0.	22. 1	0.	23. 1	0.1286353	24. 1	0.1006714	25. 1	0.1038425
26. 1	0.1264212	27. 1	0.0825145	28. 1	0.	29. 1	0.	30. 1	0.0598927
31. 1	0.1217888	32. 1	0.	33. 1	0.0858119	34. 1	0.0917777	35. 1	0.1015524
36. 1	0.0783791	37. 1	0.0723047	38. 1	0.	39. 1	0.0651214	40. 1	0.
41. 1	0.1098560	42. 1	0.0852425	43. 1	0.1378015	44. 1	0.1123291	45. 1	0.0890020
46. 1	0.1374866	47. 1	0.0898712	48. 1	0.0830199	49. 1	0.0854628	50. 1	0.0958509
51. 1	0.	52. 1	0.	53. 1	0.0865536	54. 1	0.0618200	55. 1	0.
56. 1	0.0956487	57. 1	0.	58. 1	0.0749081	59. 1	0.	60. 1	0.
61. 1	0.0889098	62. 1	0.0670928	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1178809	67. 1	0.0736924	68. 1	0.1056624	69. 1	0.1109871	70. 1	0.
71. 1	0.0847633	72. 1	0.1063430	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83386280
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.66693141

00 CONTROL=00000000007
3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.66693141

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO.	1	IS	0.6174681	2.	2	0.3160137	0.	0	0.	0.
SUM NO.	2	IS	0.61747							
SUM NO.	2	IS	0.31601							

000 24 INPUT M6 IDENTIFICATION CORRECT
MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42181873
00 CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92354967
00 CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42528060
00 CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17441514
00 CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04898241
00 CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11169878
00 CONTROL=000000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.11169878

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3377237	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3655828	13. 1	0.	14. 1	0.1618958	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.3762282	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2672697
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3573058	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4625437	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1092327	44. 1	0.1176102	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1727166	55. 1	0.7769041
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6482588	63. 1	0.2533318	64. 1	0.1146934	65. 1	0.4729092
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.18125649
00 CONTROL=000000000001
1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.18125649

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO.	1	IS	0.8187435	2.	2	0.0812678	0.	0	0.	0.
SUM NO.	2	IS	0.81874							
SUM NO.	2	IS	0.08127							

000 25 INPUT V6 IDENTIFICATION INCORRECT.
MINPS=000000000001 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38478307
00 CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.82305592
00 CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26132877
00 CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04219235
00 CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93262415
00 CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98740825
00 CONTROL=000000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.98740825

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2927708	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3070043	13. 1	0.	14. 1	0.1663375	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0528784
21. 1	0.2707731	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2638239
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.2968704	32. 1	0.	33. 1	0.0683592	34. 1	0.	35. 1	0.0054071
36. 1	0.4404355	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1952639	44. 1	0.1604751	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.0592992	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2030519	55. 1	0.6163836
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5418272	63. 1	0.2046855	64. 1	0.1682640	65. 1	0.3303981
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.45747104
00 CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.91494210
00 CONTROL=000000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.91494210

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0174904	2. 2	1.0000000	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.01749						
SUM NO. 2 IS	1.00000						

*** 26 INPUT V6 IDENTIFICATION CORRECT
MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23535973
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42090479
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60644984
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51367731
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.51367731

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0828330	3. 1	0.	4. 1	0.	5. 1	0.9499795
6. 1	0.4184337	7. 1	0.	8. 1	0.1734916	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1619428
16. 1	0.2653693	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0857755	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3941694	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2510961	35. 1	0.8958586
36. 1	0.7241460	37. 1	0.	38. 1	0.	39. 1	0.0191643	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.2407496	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2093493	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0665247	65. 1	0.
66. 1	0.3692866	67. 1	0.	68. 1	0.	69. 1	0.2085970	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.12267578
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.24535158
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.24535158

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 27 INPUT H1 IDENTIFICATION CORRECT
MINPS=000000000013 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35494484
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94753624
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.54012765
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24383195
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24383195

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1084265	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3901939	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6859180	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.7466089
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.4252041
31. 1	0.2849563	32. 1	0.1108828	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.7281438	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1665496	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4052495	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7133543	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0248980	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.24952976
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.24952976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3074411	2. 2	0.6975588	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.30744								
SUM NO. 2 IS	0.69744								

*** 28 INPUT V1 IDENTIFICATION CORRECT
MINPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26729409
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42717932
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58706455
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50712194
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.54709324
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54709324

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0005349	3. 1	0.	4. 1	0.	5. 1	0.2322235
6. 1	0.1999945	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0660628
11. 1	0.	12. 1	0.	13. 1	0.0447300	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0779639	20. 1	0.
21. 1	0.	22. 1	0.5471705	23. 1	0.	24. 1	0.0229196	25. 1	0.1574084
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1678454	33. 1	0.0045771	34. 1	0.	35. 1	0.
36. 1	0.4655074	37. 1	0.	38. 1	0.9023413	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1126425	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0710272	55. 1	0.
56. 1	0.	57. 1	0.5848495	58. 1	0.	59. 1	0.	60. 1	0.1243924
61. 1	0.	62. 1	0.	63. 1	0.5423843	64. 1	0.6123973	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.1663974	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.06002726
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.06002726

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5499772	2. 2	0.4500228	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.54998
 SUM NO. 2 IS 0.45002

*** 29 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYC=000000000014 INDIC=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34883726
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77167857
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19451988
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98309722
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08880955
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03595439
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.03595439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0191302	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5439692	17. 1	0.	18. 1	0.	19. 1	0.1397900	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1773975	24. 1	0.7007629	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3788602	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5983081	42. 1	0.8951817	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.4608795	48. 1	0.4635941	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2718052	58. 1	0.0129361	59. 1	0.	60. 1	0.1782901
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0171869	72. 1	0.1780732	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37963179
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37963179

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2399171	2. 2	0.7600829	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.23992
 SUM NO. 2 IS 0.76008

*** 30 INPUT V2 IDENTIFICATION CORRECT

NEW G-WEIGHTS FROM RESULT OF INPUT 30

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51786804	0.50225830	0.49571228	0.49571228
0.49571228	0.50103760	0.49571228	-0.50094604	-0.50094604
-0.50094604	-0.50094604	-0.49337769	-0.50094604	-0.50094604
-0.50094604	0.48864746	0.48864746	0.48864746	0.51881409
0.48864746	0.48864746	0.51881409	0.51881409	-0.50753784
-0.50753784	-0.50753784	-0.50753784	-0.47737122	-0.47737122
-0.50753784	-0.50753784	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.48185730	0.47029114	0.55636597	0.54914856	0.49382019
0.46132324	0.49937439	0.46769714	-0.49882507	-0.48698425
-0.50936490	-0.47148132	-0.51037598	-0.45155334	-0.47724915
-0.54407043	0.19198608	0.48526001	0.72969055	0.68521118
0.3885498	0.14449910	0.56492615	0.80934143	-0.72045898
-0.57656860	-0.33172607	-0.37620544	-0.37649534	-0.91024780
-0.33172607	-0.37649534	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.53196716	0.50273132	0.43580627	0.53604126	0.42697144
0.52743420	0.52404785	0.51296997	-0.48892212	-0.46916199
-0.45663452	-0.46134949	-0.54217529	-0.66563416	-0.45745850
-0.45861416	0.42837524	0.82186890	0.79714966	0.26332092
0.28805542	0.90165710	0.23738098	0.26216125	-0.29382324
-0.93836501	-0.29382324	-0.42538452	-0.39950562	-0.29382324
-0.42538452	-0.92984009	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.51278687	0.49467468	0.49246214	0.49658203	0.49720764
0.49868774	0.49221802	0.51531982	-0.50627136	-0.55032349
-0.47709656	-0.46795654	-0.50581360	-0.50883484	-0.49291992
-0.49076843	0.49348450	0.53388977	0.50903320	0.54827881
0.51562500	0.44529724	0.48573303	0.44861267	-0.58778381
-0.50978088	-0.48643494	-0.45498657	-0.48764038	-0.46934509
-0.49423218	-0.50978088	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.44826796	0.44450378	0.45837402	0.46313477	0.68037415
0.44450378	0.59889221	0.46188354	-0.49087524	-0.54928589
-0.52561951	-0.40524292	-0.55213928	-0.54908752	-0.48764038
-0.44007874	0.77799988	0.82803345	0.20208740	0.
0.63314819	0.82803345	0.58085632	0.14979553	-0.61392212
-0.42095747	0.	-0.64340210	-0.61392212	-0.42095947
-0.64340210	-0.64340210	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.57875061	0.54138184	0.46746826	0.49928284	0.52128601
0.56826782	0.43646240	0.38671875	-0.49189758	-0.62269592
-0.43115234	-0.57672791	-0.48176575	-0.42048645	-0.33039551
-0.48449767	0.18026733	0.57130432	1.00000000	0.
0.57130432	1.00000000	0.67710876	0.	-0.49452209
-0.38549805	-0.49348450	-0.03086853	-0.38549805	-0.49348450
-0.72300720	-0.99362183	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.62045288	0.57682800	0.50093079	0.44569397	0.44688946
0.57682800	0.44171143	0.44331360	-0.54782104	-0.24046326
-0.54782104	-0.54576111	-0.54708862	-0.54310608	-0.48063660
-0.54708862	0.56263733	0.55387878	0.62222290	0.55387878
0.62222290	0.55767822	0.22128296	0.30616760	-0.43464661
-0.53330994	-0.49922180	-0.49424744	-0.50300598	-0.53330994
-0.49922180	-0.50300598	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.50198364	0.47888184	0.51875305	0.50143433	0.50355530
0.49111938	0.49467468	0.50953674	-0.44833374	-0.56744385
-0.50155640	-0.45118713	-0.45172119	-0.61553955	-0.49839783
-0.46580505	0.68190002	0.59303284	0.10792542	0.42344466
0.68190002	0.10792542	0.45933531	0.44468853	-0.44465637
-0.53582764	-0.44465637	-0.44465637	-0.53582764	-0.49351959
-0.21444702	-0.44465637	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.38865662	0.50201416	0.52038574	0.51159668	0.54626465
0.54626465	0.51826477	0.47821045	-0.50120544	-0.53228760
-0.47821045	-0.47831726	-0.50526428	-0.51971436	-0.49961853
-0.48608398	0.62271118	0.30639644	0.37007410	0.62271118
0.37007410	0.55004883	0.37007410	0.76084900	-0.49000549
-0.80627441	-0.35183716	-0.56268311	-0.73362732	-0.35183716
-0.35183716	-0.35183716	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.48107910	0.43376160	0.56216431	0.45736694	0.66007996
0.48852649	0.46131897	0.45767212	-0.49629211	-0.56321716
-0.50834656	-0.50222778	-0.49478149	-0.42317200	-0.50970459
-0.50222778	0.83934021	0.51542664	0.16952515	0.45793152
0.49343872	0.83934021	0.51542664	0.16952515	-0.48001099
-0.48001099	-0.48001099	-0.44450378	-0.42248535	-0.76840210
-0.48001099	-0.44450378	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.44011353	0.44244385	0.44083069	0.45272827	0.44471741
0.44331360	0.74649048	0.54930115	-0.55746480	-0.57310486
-0.56604004	-0.57420349	-0.55400847	-0.55593872	-0.05268860
-0.56370544	0.59243774	0.54243774	0.50033569	0.59243774
0.59243774	0.60310364	0.51100159	0.01576233	-0.48098755
-0.47029114	-0.56239319	-0.57307434	-0.48098755	-0.48098755
-0.47029114	-0.48098755	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.49925232	0.51409912	0.50633240	0.51361084	0.44413647
0.51225281	0.51190186	0.49638367	-0.51330546	-0.54786682
-0.48207092	-0.50230408	-0.50253296	-0.50546265	-0.47090149
-0.47550944	0.56196594	0.46234131	0.55892944	0.40368652
0.45932007	0.55892944	0.53546143	0.45932007	-0.43336487
-0.45680237	-0.58857727	-0.53295898	-0.43336487	-0.53295898

-0.58857727

-0.43336487

0.

0.

0.

COMPONENT 13. 1 G-WEIGHTS

0.40553284	0.44085693	0.45077515	0.57740413	0.55899052
0.56303406	0.43898010	0.56125228	-0.54716492	-0.48710637
-0.45227051	-0.53002930	-0.45426961	-0.45222473	-0.59132385
-0.48556519	0.22732544	0.88647461	0.45533752	0.22732544
0.63432312	0.88647461	0.45533752	0.22732544	-0.29640198
-0.70336914	-0.93138123	-0.52441406	-0.29640198	-0.70336914
-0.27226257	-0.27226257	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.47113037	0.49856567	0.49978638	0.53979492	0.54202271
0.38265991	0.53816223	0.52780151	-0.48274231	-0.53545979
-0.53227234	-0.44836424	-0.53684998	-0.45397949	-0.47509766
-0.53503864	0.32075500	0.32676497	0.60981750	0.87648010
0.32423401	0.61318970	0.60713196	0.32159424	-0.85140991
-0.56233215	-0.29570007	-0.29570007	-0.84107971	-0.56233215
-0.29570007	-0.29570007	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.49583435	0.48652649	0.56654358	0.50334167	0.50007629
0.49504089	0.44570923	0.50888171	-0.36363220	-0.51698503
-0.51973643	-0.52090454	-0.52674866	-0.52482605	-0.51399231
-0.51303101	0.48709106	0.39080811	0.36213684	0.60009766
0.61375427	0.44520569	0.39080811	0.71003723	-0.49981689
-0.48481750	-0.53923035	-0.56790161	-0.31625366	-0.48481750
-0.53923035	-0.56790161	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.6710144	0.46731567	0.46543884	0.40106201	0.43612671
0.46026611	0.59730530	0.56533813	-0.50912476	-0.51731873
-0.40357971	-0.49983215	-0.53427124	-0.47135925	-0.54090881
-0.52357483	0.63687134	0.49215698	0.34231567	0.50639343
0.63687134	0.49215698	0.33804321	0.55514526	-0.54096985
-0.52674866	-0.54096985	-0.39627075	-0.54096985	-0.52674866
-0.33630676	-0.54096985	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.52438354	0.49758911	0.47924805	0.52438354	0.52438354
0.44443176	0.45703125	0.52799988	-0.52865601	-0.46054077
-0.44832275	-0.48559570	-0.55763245	-0.54785156	-0.47160339
-0.47927856	0.31577713	0.71258545	0.31533813	0.71258545
0.67533875	0.67533875	0.31533813	0.27807617	-0.39135742
-0.39135742	-0.42866516	-0.39135742	-0.82589722	-0.39135742
-0.78845051	-0.39135742	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.49034119	0.49012756	0.51741028	0.46118164	0.49259949
0.51919556	0.51292419	0.51618958	-0.49780273	-0.49903870
-0.4254092	-0.51716614	-0.51170349	-0.49742176	-0.54336548
-0.50653076	0.66609192	0.43391418	0.71662903	0.48446655
0.23609924	0.48385620	0.69708252	0.28181458	-0.53385925
-0.41687012	-0.43240356	-0.35154724	-0.58378601	-0.83219910
-0.41687012	-0.43240356	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.49768066	0.50419617	0.46739197	0.47770691	0.57231140
0.44557190	0.49337769	0.54171753	-0.54081726	-0.48390198
-0.49723816	-0.48811340	-0.49180603	-0.48428345	-0.49285889
-0.52093506	0.33023071	0.69151306	0.69151306	0.44474792
0.60176086	0.57699585	0.33296204	0.37023071	-0.48385620
-0.48114014	-0.39408875	-0.63816833	-0.48385620	-0.39408875
-0.64088440	-0.48385620	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.53593445	0.46092224	0.46833801	0.51293945	0.53575134
0.53465271	0.52436829	0.42704773	-0.49855042	-0.50407410
-0.38024902	-0.49510193	-0.50286865	-0.58564758	-0.51055908
-0.52291870	0.53117371	0.60475159	0.60475159	0.42573547
0.51110840	0.60441589	0.40567017	0.31236267	-0.43930054
-0.41967144	-0.61836243	-0.43930054	-0.43930054	-0.41967144
-0.71165566	-0.51287842	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.47909545	0.53547668	0.48008728	0.44172668	0.56756592
0.51918130	0.49168396	0.44513794	-0.51428223	-0.41428223
-0.53522756	-0.50552364	-0.5 933839	-0.42324829	-0.50644031
-0.44882671	0.58630371	0.59278670	0.44075012	0.38282776
0.54246000	0.34098816	0.62870789	0.63516235	-0.51464844
-0.51260132	-0.57260132	-0.52114588	-0.39911011	-0.36262512
-0.51424544	-0.57260132	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.45509338	0.49978638	0.45509338	0.45509338	0.60630798
0.50423375	0.45509338	0.56524558	-0.54429626	-0.56332397
-0.57891446	0.	-0.57891446	-0.57891446	-0.57891446
-0.57891446	0.53792913	0.75814819	0.75614819	0.32524109
0.10503676	0.50265503	0.72282410	0.78991899	-0.66326904
-0.66326904	-0.66326904	-0.21033142	-0.01016235	-0.44309998
-0.66326904	-0.66326904	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.49820665	0.50166321	0.49073742	0.53152406	0.48988816
0.4883357	0.50473622	0.50485120	-0.46302795	-0.50460815
-0.49596326	-0.47544861	-0.52555607	-0.51599121	-0.50448608
-0.52575145	0.47920227	0.47920227	0.65873714	0.51164246
0.46635327	0.44556091	0.54719255	0.39506531	-0.52247620
-0.44113159	-0.51161194	-0.51161194	-0.51161194	-0.51161194
-0.51161194	-0.47827148	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.45780945	0.56271362	0.57740604	0.32106018	0.56944275
0.53163147	0.56356812	0.42332658	-0.33534241	-0.51380920
-0.41010047	-0.49944360	-0.53581238	-0.49273682	-0.49668884
-0.71701050	0.17541504	0.78161621	0.39520264	0.34465027
0.78161621	0.78161621	0.39520264	0.34465027	-0.44360862
-0.38247681	-0.39215088	-0.78233337	-0.78233337	-0.44300842
-0.39247681	-0.39215088	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.62539673	0.48835754	0.49921204	0.46585083	0.49531555
0.46280071	0.47422981	0.49827112	-0.52491760	-0.44434755
-0.55143738	-0.50418091	-0.44522035	-0.43087769	-0.55544151
0.56100464	0.62345846	0.56179149	0.34928894	0.31149292
0.62345846	0.34928894	0.64044149	0.40594448	-0.1701355
-0.47924405	-0.35530090	-0.62953147	-0.68729736	-0.35530090
-0.51701355	-0.47924405	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.51219177	0.51306152	0.50614222	0.51568604	0.50460815
0.48970312	0.50741140	0.44873747	-0.49807739	-0.49589702
-0.47326680	-0.50737000	-0.50819397	-0.51968384	-0.49960327
-0.49804688	0.34429932	0.53302002	0.55227661	0.58469999
0.34429932	0.53302002	0.55227661	0.55616760	-0.46809387
-0.46809387	-0.44891357	-0.41653442	-0.674 8120	-0.65481458
-0.46809387	-0.44891357	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.43296814	0.46536255	0.47555542	0.47285461	0.53645325
0.66275024	0.47506714	0.47894287	-0.50869751	-0.50518799
-0.49699402	-0.48344421	-0.51718140	-0.51718140	-0.44792175
-0.52339172	0.24368288	0.58584534	0.78868103	0.45500183
0.28826304	0.58584534	0.28826904	0.76435452	-0.54275513
-0.72972107	-0.20906067	-0.54275513	-0.72972107	-0.54275513
-0.18476866	-0.51843262	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.50376892	0.40348816	0.48559570	0.48243713	0.61734009
0.53614807	0.48559570	0.48561096	-0.49913025	-0.48918152
-0.50563647	-0.48077393	-0.51208496	-0.50863647	-0.48580931
-0.51571655	0.49945068	0.25964155	0.50735474	0.74713135
0.55615234	0.31634521	0.53254700	0.58132935	-0.59973145
-0.27566223	-0.65643311	-0.46542358	-0.65643311	-0.46542358
-0.46542358	-0.46542358	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.52560425	0.48774719	0.48132324	0.48497009	0.46661377
0.50532532	0.58529663	0.46308899	-0.4851 146	-0.46083069
-0.52757263	-0.50651550	-0.50547791	-0.51049805	-0.50855337
-0.49543762	0.52830505	0.41548157	0.54017639	0.62622070
0.42732239	0.51341248	0.43150330	0.51754761	-0.49557495
-0.48068237	-0.48068237	-0.48068237	-0.59350596	-0.50741577
-0.48068237	-0.48068237	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.46463013	0.45564270	0.77422388	0.47383118	0.44119263
0.46110515	0.44680786	0.48352751	-0.56550598	-0.50811768
-0.50830078	-0.26766968	-0.53036499	-0.50477600	-0.55348206
-0.56175232	0.36387634	0.10894775	0.61790466	0.47282410
0.41728210	0.61790466	0.72776794	0.67344666	-0.70556641
-0.39505005	-0.39505005	-0.65002441	-0.50491333	-0.49505005
-0.44938660	-0.50491333	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.50315857	0.51730347	0.52127075	0.45672607	0.50007629
0.47064700	0.51240376	0.51876831	-0.51788330	-0.53137207
-0.51931703	-0.30600159	-0.45491028	-0.51371765	-0.54924011
-0.52751180	0.38668823	0.52430725	0.51921082	0.56488037
0.56605530	0.38273621	0.43894958	0.61714172	-0.22048950
-0.40376282	-0.51017761	-0.69344053	-0.55186462	-0.51135254
-0.55185462	-0.55699158	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.63795471	0.46174622	0.46333313	0.46339417	0.55780079
0.46376038	0.48405457	0.46794128	-0.54862976	-0.47103887
-0.54945374	-0.43646240	-0.45405579	-0.55091858	-0.44030762
-0.54911804	0.31999207	0.31964111	0.61614990	0.63275166
0.43957520	0.42294312	0.61614990	0.67275146	-0.43737793
-0.57353210	-0.36370850	-0.55729675	-0.55690002	-0.55729675
-0.57353210	-0.38032532	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49942017	0.49641772	0.50314331	0.50880432	0.49842834
0.49815369	0.49773696	0.49731445	-0.51033020	-0.49984741
-0.49705505	-0.51063538	-0.50996399	-0.45043945	-0.51002502
-0.51167297	0.45579529	0.45579529	0.44909668	0.56828308
0.48532164	0.56828308	0.56828308	0.44909668	-0.50700378
-0.50700378	-0.51373291	-0.51373291	-0.43072510	-0.50700378
-0.51373291	-0.50700378	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51394653	0.45906067	0.52542114	0.53190613	0.50041199
0.46412659	0.51147461	0.49360657	-0.50157166	-0.52940100
-0.50668335	-0.50041199	-0.48370361	-0.49919128	-0.49980164
-0.48822021	0.57763724	0.73625183	0.46707153	0.38546753
0.49761963	0.40609741	0.12770081	0.80209351	-0.50724792
-0.48812866	-0.50724792	-0.39684059	-0.23828125	-0.50724792
-0.58862305	-0.74631165	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.50399780	0.48919678	0.48661804	0.47767639	0.46763614
0.48085022	0.47135925	0.62263489	-0.38476563	-0.52925110
-0.52925110	-0.53898621	-0.41226196	-0.53477478	-0.54138184
-0.52925110	0.70260620	0.11772156	0.76481628	0.76716614
0.12005615	0.70495605	0.12005615	0.70260620	-0.54533386
-0.54533386	-0.54533386	0.	-0.54533386	-0.60620117
-0.60620117	-0.60620117	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.40348816	0.50305176	0.95422363	0.40248108	0.47860118
0.42875671	0.39956665	0.42979431	-0.57148743	-0.36335754
-0.56303406	-0.57777405	-0.57296753	-0.37857056	-0.61797622
-0.35478210	0.96052551	0.48051453	0.	0.53288743
0.96052551	0.10499573	0.	0.96052551	-0.26487732
-0.62622070	-0.62622070	-0.21795654	-0.26487732	-0.62622070
-0.62622070	-0.74732971	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.55043030	0.55213928	0.56987000	0.46046448	0.47380066
0.57470703	0.47563171	0.34292603	-0.46162415	-0.50457764
-0.46160889	-0.49748230	-0.52339172	-0.54432678	-0.47665405
-0.53030396	0.77642822	0.64369202	0.35626221	0.64369202
0.22351074	0.35626221	0.22351074	0.77642822	-0.27677917
-0.52281189	-0.81022644	-0.39007568	-0.27677917	-0.52281189
-0.81022644	-0.39007568	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.52311707	0.44973755	0.57128906	0.46118164	0.58628645
0.45018005	0.44973755	0.50842285	-0.55500793	-0.21485901
-0.55500793	-0.55262756	-0.55490112	-0.56939647	-0.46652222
-0.53164672	0.65121460	0.82482910	0.	0.
0.65182495	0.82482910	0.2244263	0.82482910	-0.60261536
-0.60319519	0.	-0.60319519	-0.60319519	-0.38139343
-0.60319519	-0.60319519	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.51855469	0.50535583	0.50894165	0.50932312	0.50808716
0.49452209	0.44749451	0.50767517	-0.50367737	-0.51280712
-0.43345642	-0.51211548	-0.50942993	-0.51217651	-0.50480652
-0.51152039	0.58573914	0.49603271	0.49888774	0.44721985
0.49603271	0.44721985	0.39179993	0.63722229	-0.53826904
-0.48548889	-0.54087830	-0.43666077	-0.43403625	-0.53826904
-0.48548889	-0.54087830	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.49809265	0.47837810	0.49105835	0.49847412	0.52929688
0.50054932	0.51202393	0.49208069	-0.49806213	-0.49919128
-0.50234987	-0.50234985	-0.444920349	-0.54408264	-0.50234985
-0.50234987	0.44886780	0.44886780	0.55590820	0.53546143
0.42842102	0.53546143	0.44886780	0.59802246	-0.41909790
-0.52615356	-0.50570679	-0.50570679	-0.50570679	-0.52615356
-0.50570679	-0.50570679	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.49635115	0.40521851	0.49298096	0.49897766	0.26325145
0.44679260	0.47388892	0.49649048	-0.50505066	-0.52178955
-0.49957275	-0.54356384	-0.50509644	-0.41323853	-0.50192261
-0.50973511	0.56578064	0.56578064	0.50102234	0.39707947
0.58091736	0.51614380	0.41220093	0.46104431	-0.45420837
-0.45420837	-0.51895142	-0.45758057	-0.45420837	-0.51895142
-0.51895142	-0.62287903	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.45869446	0.46553040	0.50936890	0.49473572	0.44493103
0.49374340	0.62359619	0.50936890	-0.52593520	-0.53373718
-0.54063416	-0.34018418	-0.57533264	-0.55606079	-0.58573914
-0.34233093	0.53474426	0.59924316	0.59924316	0.35607910
0.53474426	0.59924316	0.42059326	0.35607910	-0.60978699
-0.43115234	-0.43115234	-0.67417908	-0.49568176	-0.43115234
-0.43115234	-0.49568176	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.55880737	0.43305969	0.47006226	0.42726135	0.78044128
0.43325806	0.44528198	0.45782223	-0.50447083	-0.50599670
-0.50484755	-0.49644470	-0.52247620	-0.49978638	-0.52383423
-0.44207490	0.61450195	0.61450195	0.64302063	0.52206421
0.42332458	0.58364868	0.58364868	0.01525879	-0.44810913
-0.46810913	-0.56056213	-0.53829916	-0.46810913	-0.46810913
-0.56056213	-0.46810913	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.51705933	0.49632263	0.47846385	0.50869751	0.47254944
0.49890137	0.51535508	0.51272583	-0.51268005	-0.46303284
-0.51341248	-0.51289368	-0.48545837	-0.52558899	-0.51004028
-0.47198486	0.59382629	0.36311340	0.57969666	0.61331177
0.38258362	0.43095351	0.50141907	0.53506470	-0.53927612
-0.53620311	-0.46578979	-0.43214417	-0.66281128	-0.46578979
-0.46578979	-0.43214417	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.54362488	0.43879346	0.48872375	0.48728943	0.48495483
0.51806641	0.52416992	0.51484680	-0.50614929	-0.49823669
-0.46362305	-0.45854187	-0.45198059	-0.51698303	-0.52024841
-0.62419128	0.37770081	0.37092590	0.68533325	0.71910095
0.28887068	0.67001343	0.64303589	0.24578857	-0.39079285
-0.38401794	-0.81500244	-0.39079285	-0.41780090	-0.41780090
-0.80824280	-0.37551800	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.53215027	0.44586182	0.54640198	0.51364136	0.43016052
0.46864119	0.52671814	0.53637695	-0.54180908	-0.49125671
-0.50141907	-0.49827576	-0.45474243	-0.53713989	-0.49858093
-0.47673035	0.74928284	0.29330444	0.65020752	0.65020752
0.35913086	0.47467041	0.63955688	0.18360901	-0.40661621
-0.40661621	-0.40661621	-0.86259460	-0.40661621	-0.40661621
-0.40661621	-0.69770813	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.51480103	0.49198914	0.50811768	0.50102234	0.54739380
0.46603394	0.45843384	0.48217773	-0.51455688	-0.49874878
-0.50878906	-0.52035522	0.40709599	-0.50570679	-0.51142883
-0.45367432	0.21940613	0.46749878	0.63124074	0.59677124
0.51235962	0.46749878	0.59677124	0.50842285	-0.45568848
-0.70384216	-0.41481018	-0.44927979	-0.41481016	-0.53369141
-0.57855225	-0.44927979	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.47583008	0.55656433	0.42030334	0.53800964	0.57247925
0.48115540	0.50637817	0.44924927	-0.49638367	-0.59944153
-0.26715562	-0.65367126	-0.40867615	-0.51240540	-0.59060669
-0.47166443	0.11984253	0.56463621	0.56291199	0.56463623
0.85009766	0.65341187	0.30166626	0.38276672	-0.35804749
-0.44709778	-0.44709778	-0.70407104	-0.44540405	-0.44709778
-0.44709778	-0.70407104	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.49826050	0.50726318	0.51315308	0.39697266	0.52749634
0.52850342	0.51657104	0.51173401	-0.51837158	-0.46977234
-0.53370067	-0.51256559	-0.51296997	-0.50675964	-0.47129822
-0.46781921	0.52394104	0.20300293	0.27490234	0.76466370
0.36439514	0.72752380	0.73495483	0.40658569	-0.40455627
-0.19715576	-0.79742432	-0.77547913	-0.40455627	-0.39715576
-0.39715576	-0.47648671	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.51335144	0.54930115	0.50122070	0.48431394	0.44551086
0.53779602	0.49482727	0.47366333	-0.53959656	-0.48083496
-0.48023987	-0.55772400	-0.46080017	-0.48181152	-0.52125549
-0.47772217	0.49089050	0.66123962	0.66123962	0.38446045
0.35879517	0.43015747	0.32771301	0.48546869	-0.65760803
-0.35520935	-0.63194275	-0.35520935	-0.35520935	-0.35520935
-0.64194275	-0.65763803	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.54576111	0.50328064	0.50328064	0.50442505	0.51383977
0.48946716	0.45661926	0.50328064	-0.51325989	-0.49046376
-0.54234314	-0.48419189	-0.42742920	-0.51126099	-0.51550293
-0.51550293	0.36389160	0.56419373	0.61657715	0.36389160
0.36389160	0.61657715	0.41629028	0.69661060	-0.49234009
-0.54440308	-0.54440308	-0.29324341	-0.49234009	-0.54440308
-0.54440308	-0.54440308	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.42222595	0.55062866	0.49057007	0.41848755	0.52740479
0.53386089	0.48396301	0.57302856	-0.46679688	-0.55738831
-0.45593262	-0.47920227	-0.56971741	-0.54399109	-0.47309875
-0.45382590	0.41171265	0.31512451	0.78849792	0.37005615
0.27346802	0.73924255	0.32080078	0.78088379	-0.37121582
-0.37121582	-0.78964233	-0.46781921	-0.37121582	-0.37121582
-0.78964233	-0.46781921	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51643372	0.48789978	0.49563599	0.50288391	0.50096130
0.49751282	0.49006653	0.50856018	-0.45324707	-0.48124695
-0.52754211	-0.48605347	-0.52954102	-0.49070740	-0.53518677
-0.49644470	0.58401379	0.58601179	0.25877380	0.45887756
0.32153320	0.52497864	0.60144043	0.66232300	-0.50984192
-0.43341064	-0.43341064	-0.62332153	-0.76058960	-0.43341064
-0.43341064	-0.37255859	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.47117615	0.56648254	0.55393982	0.50331116	0.47117615
0.47404480	0.48419189	0.47563171	-0.43568470	-0.51641846
-0.51441556	-0.51376343	-0.47959900	-0.51660156	-0.50839233
-0.51566042	0.13299561	0.65296936	0.73686218	0.55905151
0.44758606	0.72860718	0.43934631	0.30253601	-0.58264160
-0.58264160	-0.55506497	-0.29341125	-0.55506897	-0.37727356
-0.47120667	-0.58264160	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.50979614	0.49482727	0.46388245	0.51959229	0.53677368
0.53688049	0.46022034	0.47798157	-0.46388977	-0.49266052
-0.49989319	-0.51310730	-0.51531982	-0.50743103	-0.51275281
-0.49540710	0.58529663	0.50296021	0.59422302	0.46852112
0.45547485	0.44555664	0.53680420	0.41111755	-0.47952271
-0.47952271	-0.38824463	-0.51394653	-0.65269470	-0.52700806
-0.47952271	-0.47952271	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48313404	0.48626709	0.53540039	0.53221130	0.49467468
0.47921753	0.53221130	0.45686340	-0.46922302	-0.46153259
-0.53115137	-0.52934265	-0.56016968	-0.45983887	-0.47586060
-0.49383545	0.69560242	0.24726868	0.28143311	0.34341431
0.74147034	0.72978210	0.67948914	0.28143311	-0.74104309
-0.38879395	-0.38879395	-0.43907165	-0.83717346	-0.38879395
-0.43907166	-0.37709045	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.45872498	0.45872498	0.45872498	0.51586914	0.51141357
0.53926086	0.55342102	0.50384521	-0.46368408	-0.56044006
-0.55801392	-0.42620850	-0.46307373	-0.56044006	-0.44514465
-0.52294922	0.72613525	0.30622464	0.59153748	0.76780701
0.34790039	0.17184612	0.47705078	0.61164856	-0.47277832
-0.64904785	-0.64904785	-0.05285645	-0.64904785	-0.64904785
-0.64904785	-0.22912598	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.47306824	0.55163574	0.51188660	0.53471375	0.47521973
0.48425293	0.49389648	0.47618103	-0.51293445	-0.50978088
-0.51101685	-0.46884155	-0.50650024	-0.51284790	-0.50399780
-0.47492981	0.60397339	0.37039185	0.65615845	0.42256165
0.54948779	0.42256165	0.37039185	0.60397339	-0.46546936
-0.59291077	-0.46546936	-0.35934448	-0.46546936	-0.59291077
-0.46546936	-0.59291077	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.51927185	0.44250488	0.51226407	0.44943237	0.50157166
0.52732849	0.50874329	0.53895569	-0.47949219	-0.48561096
-0.47698975	-0.49703979	-0.56144714	-0.48168945	-0.53834534
-0.47949219	0.59934998	0.39569092	0.63861084	0.43495178
0.34658813	0.55024719	0.43495178	0.59934998	-0.71903952
-0.42695618	-0.47695618	-0.61066101	-0.42695618	-0.51513508
-0.42695618	-0.42695618	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.51637268	0.47131775	0.51626587	0.48361706	0.48498555
0.42386024	0.54376718	0.48628964	-0.35148621	-0.54711914
-0.41542053	-0.54768708	-0.54853984	-0.53739929	-0.50740051
-0.54490667	0.51831158	0.57575389	0.68420410	0.53518677
0.47189026	0.79632568	0.55859175	0.40962219	-0.62831116
-0.53672791	0.179932	-0.53672791	-0.53672791	-0.27445984
-0.42340668	-0.53179932	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.77586819	0.47160339	0.42970276	0.47865295	0.44868469
0.48054504	0.44477844	0.47013955	-0.53068542	-0.50955200
-0.50126642	-0.52342061	-0.52738553	-0.51049805	-0.42410278
-0.47286787	0.5504911	0.75328064	0.75328064	0.31156921
0.55049133	0.75328064	0.31156921	0.01597595	-0.43615723
-0.40824890	-0.76573181	-0.43615723	0.43615723	-0.43615723
-0.64518738	-0.43615723	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.51275635	0.50568665	0.48536682	0.51275635	0.49328613
0.45368958	0.51275635	0.52865601	-0.47598267	-0.52391052
-0.48812866	-0.50968933	-0.46655701	-0.48782349	-0.51271057
-0.51516724	0.56423950	0.36444910	0.40356445	0.40437012
0.56423950	0.56423950	0.36444910	0.57241821	-0.42971802
-0.63050842	-0.59036255	-0.42971802	-0.42971802	-0.42971802
-0.42971802	-0.63050842	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.47415161	0.44380188	0.76879883	0.47355652	0.47126770
0.45251465	0.48229950	0.43356323	-0.50823975	-0.50245467
-0.56737000	-0.54853821	-0.47949219	-0.44066780	-0.52168274
0.48330628	0.33474731	0.64320068	0.30197144	0.81028768
0.30183411	0.26905823	0.26905823	0.86981201	-0.48027039
-0.51303101	-0.51303101	-0.48027039	-0.48027039	-0.48027039
-0.51303101	-0.53979492	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.48181152	0.48982239	0.47259521	0.47259521	0.52256775
0.47752380	0.51098633	0.57206726	-0.57974243	-0.56407056
-0.56607056	-0.56039429	-0.45317078	-0.52024841	-0.48736572
-0.26690674	0.71192932	0.13107300	0.73396301	0.65384963
0.15312195	0.15312195	0.74246216	0.72042847	-0.56512451
-0.14445496	-0.64520264	-0.64520264	-0.56512451	-0.14445496
-0.64520264	-0.64520264	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.52204895	0.53103638	0.51849365	0.42292786	0.53878784
0.46089172	0.53768921	0.46810913	-0.46577454	-0.40076904
-0.51986694	-0.44880981	-0.44152832	-0.50848389	-0.52811721
-0.43659773	0.80889893	0.29017639	0.68768311	0.47006226
0.38659668	0.62507629	0.40745544	0.32398987	-0.39750671
-0.61517334	-0.69860840	-0.39750671	-0.39750671	-0.69860840
-0.39750671	-0.39750671	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

0.77651978	0.48313904	0.45402527	0.39341736	0.41731262
0.53652254	0.46861267	0.47041321	-0.53137207	-0.50068665
-0.45899963	-0.52000677	-0.51512146	-0.54052734	-0.42324829
-0.50999451	0.33126831	0.61483765	0.79327393	0.20187378
0.41610718	0.41610718	0.52403259	0.70245361	-0.51983643
-0.77587891	-0.36288452	-0.51983643	-0.51983643	-0.18443298
-0.51983643	-0.59742737	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.53268433	0.50607300	0.53041077	0.38447266	0.44157410
0.40505981	0.51113892	0.48834065	-0.47544861	-0.54130554
-0.48713684	-0.47331238	-0.51655579	-0.49786377	-0.53460693
-0.47372437	0.54873761	0.68722534	0.68722534	0.78372192
0.40763855	0.02461243	0.61842346	0.24234009	-0.36486816
-0.36486816	-0.26652527	-0.36486816	-0.36486816	-0.64996338
-0.96553040	-0.65846252	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.449711609	0.54985046	0.49230957	0.49185181	0.49214172
0.49020386	0.49546811	0.49101257	-0.50050354	-0.4995232
-0.49943542	-0.50672913	-0.50431824	-0.50239563	-0.48435974
-0.50296021	0.59310913	0.43650818	0.37724304	0.59310913
0.40011597	0.41362000	0.59310913	0.59310913	-0.57162476
-0.54876709	-0.55523254	-0.55578918	-0.54876709	-0.51235962
-0.57162476	-0.55578918	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.49891663	0.46946716	0.47647095	0.44712830	0.53884888
0.48667408	0.55441284	0.52758789	-0.45565796	-0.51296997
-0.52008057	-0.52799988	-0.52559009	-0.49284363	-0.48895264
-0.47744751	0.27023315	0.27470093	0.85382080	0.28794861
0.67532043	0.84806824	0.28224182	0.60763550	-0.39442444
-0.89471436	-0.50608826	-0.28224182	-0.39442444	-0.84916687
-0.28335571	-0.39442444	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.51287842	0.52833557	0.51876931	0.46958923	0.51287842
0.51431274	0.43031311	0.51787642	-0.50669861	-0.50759898
-0.50288865	-0.49977112	-0.50491333	-0.50669861	-0.58142090
-0.38996827	0.44567671	0.24142456	0.55430603	0.75857544
0.47945569	0.27220154	0.52354431	0.72776794	-0.53283691
-0.73709166	-0.45500183	-0.45500183	-0.45500183	-0.45500183
-0.45500183	-0.45500183	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.52154541	0.51179504	0.51266479	0.50952148	0.50349476
0.52372742	0.44645857	0.47654724	-0.48332214	-0.52835083
-0.48629761	-0.47817993	-0.52415466	-0.48669434	-0.48912048
-0.52384949	0.59971619	0.36671448	0.28440857	0.38226318
0.63423157	0.53636169	0.41845274	0.57762146	-0.67790222
-0.40385437	-0.44488525	-0.50177602	-0.67790222	-0.40385437
-0.44488525	-0.44488525	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.49913025	0.49288440	0.53913879	0.50503540	0.45037847
0.44464111	0.57586670	0.49288940	-0.46940613	-0.51019287
-0.51133728	-0.51261902	-0.49050961	-0.57389832	-0.51261902
-0.41938782	0.22715759	0.67366029	0.67854309	0.39497373
0.39009094	0.54193115	0.54679871	0.54679871	-0.30140686
-0.58493042	-0.47412109	-0.75765991	-0.47412109	-0.46923828
-0.46923828	-0.46923828	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.22578430	0.48072815	-0.47454224
0.66851807	0.53059387	0.55436707	0.68743896	-0.19186400
0.53408813	0.40344238	0.40062545	0.56623940	0.59745789
0.42216492	0.99084473	0.00000000	0.79936218	0.27745056
0.18496704	0.38182068	0.43675232	0.67633057	0.29083801
0.60513086	0.65635481	0.30527156	0.50280762	0.36631775
0.02909851	0.69636536	0.65026455	1.00000000	0.70660400
0.36224365	0.38754272	0.50455393	1.00000000	0.57572937
0.17768860	0.99084473	0.85542247	0.02687073	0.41847065
0.68037415	0.10780334	0.23196411	0.55090332	0.59849548
0.75674438	0.56556702	0.08793640	0.28509521	0.16331487
0.61534119	0.21484375	0.97235107	0.21925354	0.60476685
0.32196045	0.04199219	0.49304199	0.32310486	-0.41999817
-0.60943604	-0.50363159	-0.45965576	-0.63040161	-0.71087646
-0.47279358	-0.73670959	-0.44012451	-0.46240234	-0.16426086
-0.97828674	-0.45925903	-0.64552307	-0.03892922	-0.37028503
-0.40486145	-0.78938293	-0.48177771	-0.79977417	-0.42985535
-0.38682556	-0.71875000	-0.53479004	-0.79666138	-0.28437205
-0.94180298	-0.43542480	-0.70104980	-0.53089905	-0.41763306
-0.33775330	-0.66751099	-0.61035156	-0.50329590	-0.70156860
-0.52865601	-0.83853149	-0.60925293	-0.61395264	-0.59567261
-0.36796082	-0.74053955	-0.05636487	-0.65667725	-0.34642029
-0.25761414	-0.30793762	-0.38989258	0.	-0.54306030
-0.37319946	-0.48416138	-0.35493469	-0.01144409	-0.02082825
-0.01821899	0.	-0.24980164	-0.74403381	-0.57666016
-0.43400574	0.	0.	0.	0.

COMPONENT 2. 2 G-WEIGHTS

0.50000000	-0.50000000	0.65010071	0.28701782	0.
0.26817327	0.52938845	0.02972412	0.15162659	0.
0.02453613	0.75588989	0.67191748	0.55514526	0.62646484
0.50830078	0.43109131	0.64547026	0.32057190	0.49902344
0.71113586	1.00000000	0.90988159	0.46922302	0.25418091
0.63415527	0.23472595	0.74894714	0.13952637	0.33067322
0.96476746	0.91936646	0.31541443	0.41436768	0.37170410
0.54527283	0.52713013	0.21266174	0.87318420	0.51306152
0.81137085	0.	0.82690430	0.	0.51803589
0.66389465	1.00000000	0.61183167	0.10409546	0.82073975
0.22427368	0.59611511	0.50669861	0.27845764	0.75115967
0.08573914	0.79347229	0.88916016	0.59686279	0.59283447
0.30247498	0.74455261	0.54743958	0.78390503	-0.36109924
-0.73670959	-0.51106262	-0.99639893	-0.74758911	-0.49665833
-0.64630127	-0.08641052	-0.4772863	-0.99639893	-0.98071289
-0.49075317	-0.27143860	-0.94726563	-0.34028625	-0.38899231
-0.19158936	-0.42044067	-0.51829529	-0.49172974	-0.30346680
0.	-0.11317444	-0.77343750	-0.72230530	-0.27917480
-0.38981628	-0.40510559	-0.26350403	-0.69589233	-0.19236755
-0.80384827	-0.43354797	-0.36036582	-0.76152039	-0.43493652
-0.61143071	-0.26301575	-0.87548828	-0.99639893	-0.81533813
-0.15130615	-0.50082397	-0.21835327	-0.99639893	-0.42291260
-0.70085144	-0.99639893	-0.35084534	0.	-0.19900513
-0.92758179	-0.23287464	-0.48699951	-0.64562988	-0.22154236
-0.46345520	-0.51119995	-0.37092590	-0.79682922	-0.03442383
-0.17980757	0.	0.	0.	0.

MINPS=000000000010

NCYCS=000000000014

INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24209225

** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40872397

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.57535568

** CONTROL=000000000003

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57535568

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0482998	8. 1	0.	9. 1	0.	10. 1	0.7008889
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0665746	18. 1	0.0561781	19. 1	0.	20. 1	0.
21. 1	0.3423290	22. 1	0.7030932	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5603077	29. 1	0.0396706	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6273523	39. 1	0.	40. 1	0.0161153
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4356111	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5338438	58. 1	0.1937323	59. 1	0.	60. 1	0.7391210
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3134740
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.22824942
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.22824942

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9229596	2. 2	0.0770402	3. 2	0.	4. 2	0.	5. 2	0.
6. 2	0.92296	7. 2	0.07704	8. 2	0.	9. 2	0.	10. 2	0.

SUM NO. 1 IS 0.92296
 SUM NO. 2 IS 0.07704

*** 31 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 IN ICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45470835
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93800925
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42131014
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17965969
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05983448
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11924708
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.11924708

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2301911	4. 1	0.4185274	5. 1	0.1116207
6. 1	0.7964064	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8010783
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3683957	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1378477	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0506958	28. 1	0.2540761	29. 1	0.1836793	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.5790510
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.7912590	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1318226	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0952564	60. 1	0.3647274
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.42118737
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.46054370
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98029687
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.98029687

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4046886	2. 2	0.6868071	3. 2	0.	4. 2	0.	5. 2	0.
6. 2	0.40469	7. 2	0.68681	8. 2	0.	9. 2	0.	10. 2	0.

SUM NO. 1 IS 0.40469
 SUM NO. 2 IS 0.68681

*** 32 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 IN ICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.01340451
** CONTROL=000000000001
1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01340451

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.029617	4. 1	0.0511748	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0255723	9. 1	0.4151567	10. 1	0.4253695
11. 1	0.	12. 1	0.0845876	13. 1	0.	14. 1	0.2537556	15. 1	0.
16. 1	0.3460369	17. 1	0.1958693	18. 1	0.1136897	19. 1	0.0174950	20. 1	0.
21. 1	0.1087294	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2121392	27. 1	0.2953040	28. 1	0.1491239	29. 1	0.0620494	30. 1	0.0837127
31. 1	0.2465617	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2611225	38. 1	0.	39. 1	0.1766746	40. 1	0.0679418
41. 1	0.	42. 1	0.	43. 1	0.0444724	44. 1	0.1227255	45. 1	0.0112915
46. 1	0.	47. 1	0.0958226	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2174937	52. 1	0.0278048	53. 1	0.1107907	54. 1	0.	55. 1	0.1742574
56. 1	0.	57. 1	0.	58. 1	0.0373527	59. 1	0.1187780	60. 1	0.
61. 1	0.0823223	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2625758
66. 1	0.	67. 1	0.1683857	68. 1	0.	69. 1	0.	70. 1	0.1488509
71. 1	0.1236225	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.21676414

** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.85838728

** CONTROL=000000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.85838728

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7693081	2. 2	0.2551771	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO. 1 IS	0.76931								
SUM NO. 2 IS	0.25519								

*** 33 INPUT V4 IDENTIFICATION CORRECT
MINPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37958981

** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.80675241

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.23391502

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02033172

** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12717437

** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07372905

** CONTROL=000000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07372905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6447317	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4057391
16. 1	0.	17. 1	0.	18. 1	0.0003187	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1685669	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0942025	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0601598	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.407363	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.5130792
46. 1	0.4004789	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2344066
51. 1	0.5686808	52. 1	0.2970937	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6513737	68. 1	0.	69. 1	0.3751016	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.83963476

** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.16981739

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83490971

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.00236304

** CONTROL=000000000007

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.00236304

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2354061	2. 2	0.7741561	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO. 1 IS	0.23541								
SUM NO. 2 IS	0.77416								

*** 34 INPUT V4 IDENTIFICATION CORRECT
MINPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06802359
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.75675930
 ** CONTROL=00000000001
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.91234445
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49021202
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27912002
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.27912002

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0197100	2. 1	0.	3. 1	0.2543755	4. 1	0.0826418	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1123213	10. 1	0.0480305
11. 1	0.1690819	12. 1	0.1036040	13. 1	0.	14. 1	0.1682720	15. 1	0.0108742
16. 1	0.2139333	17. 1	0.0571176	18. 1	0.1993490	19. 1	0.0939632	20. 1	0.2347865
21. 1	0.	22. 1	0.	23. 1	0.0862076	24. 1	0.2703249	25. 1	0.
26. 1	0.0985054	27. 1	0.	28. 1	0.	29. 1	0.2321506	30. 1	0.2062121
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.0253054	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1161339	42. 1	0.2036391	43. 1	0.2791163	44. 1	0.0431849	45. 1	0.1341276
46. 1	0.	47. 1	0.0454642	48. 1	0.	49. 1	0.1255055	50. 1	0.0033634
51. 1	0.	52. 1	0.0880492	53. 1	0.1009625	54. 1	0.	55. 1	0.2643359
56. 1	0.0609197	57. 1	0.	58. 1	0.	59. 1	0.1070195	60. 1	0.
61. 1	0.1613137	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0692022
66. 1	0.	67. 1	0.0299237	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1404744	72. 1	0.1183689	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23672413
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.47345628
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.47345628

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 35 INPUT MS IDENTIFICATION INCORRECT.
 RINPS=00000000004 NCYS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 33.91556740
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 17.06195045
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 8.63514185
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.42173761
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.91503546
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.26168439
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.73500885
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.47167109
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34000221
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40583664
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.37291943
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38937803
 ** CONTROL=00000000007
 14 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.38937803

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1404903	2. 1	0.	3. 1	0.1375158	4. 1	0.1184831	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1480287	10. 1	0.1035933
11. 1	0.0858013	12. 1	0.0889506	13. 1	0.0708421	14. 1	0.0753910	15. 1	0.1278032
16. 1	0.1341282	17. 1	0.1270947	18. 1	0.0846351	19. 1	0.0795996	20. 1	0.0871173
21. 1	0.	22. 1	0.	23. 1	0.1349009	24. 1	0.1094912	25. 1	0.
26. 1	0.1665784	27. 1	0.	28. 1	0.	29. 1	0.1045192	30. 1	0.1170743
31. 1	0.0235244	32. 1	0.0000658	33. 1	0.	34. 1	0.0074314	35. 1	0.
36. 1	0.	37. 1	0.1169977	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1667379	42. 1	0.1212685	43. 1	0.1697301	44. 1	0.0949346	45. 1	0.0976021
46. 1	0.1370917	47. 1	0.0884811	48. 1	0.	49. 1	0.0826402	50. 1	0.1272147
51. 1	0.	52. 1	0.1560367	53. 1	0.1343722	54. 1	0.	55. 1	0.1288410
56. 1	0.1247150	57. 1	0.	58. 1	0.	59. 1	0.1731585	60. 1	0.
61. 1	0.1665190	62. 1	0.	63. 1	0.0521351	64. 1	0.	65. 1	0.1069900
66. 1	0.	67. 1	0.0875936	68. 1	0.0241443	69. 1	0.0799949	70. 1	0.
71. 1	0.1062494	72. 1	0.1084246	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.5000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.00721767
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.25340499
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.87680450
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.87680450

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3439667	2. 2	0.62555	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.34397								
SUM NO. 2 IS	0.62591								

*** 36 INPUT MS IDENTIFICATION INCORRECT.

MSIPS=000000000004 NCYCS=000000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
 ** CONTROL=00000000001
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.40611103

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2232201	2. 1	0.0403875	3. 1	0.0919053	4. 1	0.1399671	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1348009	10. 1	0.0934043
11. 1	0.1105002	12. 1	0.0814201	13. 1	0.0905892	14. 1	0.1222234	15. 1	0.0948840
16. 1	0.1297442	17. 1	0.0780843	18. 1	0.1168946	19. 1	0.0768350	20. 1	0.0943189
21. 1	0.	22. 1	0.	23. 1	0.1474337	24. 1	0.0974863	25. 1	0.0397211
26. 1	0.1730215	27. 1	0.	28. 1	0.	29. 1	0.0940817	30. 1	0.0687137
31. 1	0.0945482	32. 1	0.0843374	33. 1	0.	34. 1	0.0878241	35. 1	0.
36. 1	0.	37. 1	0.0891487	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0558196	42. 1	0.0957216	43. 1	0.1033106	44. 1	0.1107894	45. 1	0.0748350
46. 1	0.0978972	47. 1	0.1111868	48. 1	0.	49. 1	0.0964935	50. 1	0.1018393
51. 1	0.	52. 1	0.1105242	53. 1	0.1285892	54. 1	0.	55. 1	0.1474086
56. 1	0.0697152	57. 1	0.	58. 1	0.	59. 1	0.1395763	60. 1	0.
61. 1	0.1549308	62. 1	0.	63. 1	0.0896427	64. 1	0.	65. 1	0.0876245
66. 1	0.0490290	67. 1	0.0751563	68. 1	0.0945717	69. 1	0.095454	70. 1	0.
71. 1	0.1007200	72. 1	0.1196808	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 5.88669933
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.09334967
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.79667485
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.14833744
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.82416874
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98625308
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.98625308

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5741775	2. 2	0.4701484	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.57418								
SUM NO. 2 IS	0.47015								

*** 37 INPUT MS IDENTIFICATION CORRECT
 MSIPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36986504
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.80934585
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24892665
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02916126
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.02916126

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2890209	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2683356	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1241723	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.7225773	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.5989752	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.4444814	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0947754	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5082403
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.2011799
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3092466	64. 1	0.1674426	65. 1	0.2368165
66. 1	0.985444	67. 1	0.6345872	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31964490
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.61020993
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.63920963

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 38 INPUT M6 IDENTIFICATION CORRECT
 MINPS=000000000002 NCYC=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05502772
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20275486
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.12089129
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.16582307
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.14735719
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.14735719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2199192	2. 1	0.2073374	3. 1	0.2229180	4. 1	0.	5. 1	0.1077271
6. 1	0.1751852	7. 1	0.2355529	8. 1	0.2201790	9. 1	0.	10. 1	0.
11. 1	0.0182401	12. 1	0.	13. 1	0.1102436	14. 1	0.	15. 1	0.1819556
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1683696
21. 1	0.	22. 1	0.	23. 1	0.1766386	24. 1	0.1055561	25. 1	0.0186998
26. 1	0.0194080	27. 1	0.0576190	28. 1	0.	29. 1	0.	30. 1	0.0616295
31. 1	0.1234134	32. 1	0.	33. 1	0.0937629	34. 1	0.2702865	35. 1	0.3069537
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0737433	40. 1	0.
41. 1	0.0719727	42. 1	0.1260002	43. 1	0.0454876	44. 1	0.0535028	45. 1	0.0502401
46. 1	0.1954239	47. 1	0.2649353	48. 1	0.0975183	49. 1	0.0579175	50. 1	0.1971387
51. 1	0.	52. 1	0.	53. 1	0.0245296	54. 1	0.	55. 1	0.
56. 1	0.0391608	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1165768	62. 1	0.0368574	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2932431	67. 1	0.0768953	68. 1	0.0401392	69. 1	0.1018461	70. 1	0.
71. 1	0.0005394	72. 1	0.1539834	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.42730057
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.05460116
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64095087
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.64095087

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2066147	2. 2	0.7863497	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.20661								
SUM NO. 2 IS	0.78635								

*** 39 INPUT M6 IDENTIFICATION INCORRECT.
 MINPS=000000000002 NCYC=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06900007
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.64320228
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.35610119
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.71255064
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.39077537
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22988774
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.31033155
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27010465
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24999870
 ** CONTROL=000000000007
 9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.24999870

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2803069	2. 1	0.0549183	3. 1	0.1531481	4. 1	0.	5. 1	0.1138563
6. 1	0.0955480	7. 1	0.1029295	8. 1	0.1288878	9. 1	0.	10. 1	0.
11. 1	0.1570852	12. 1	0.0353953	13. 1	0.0905773	14. 1	0.0523474	15. 1	0.0676492
16. 1	0.	17. 1	0.	18. 1	0.0061329	19. 1	0.	20. 1	0.0897217

21. 1	0.	22. 1	0.	23. 1	0.1781258	24. 1	0.0920812	25. 1	0.1519774
26. 1	0.1433909	27. 1	0.0744286	28. 1	0.	29. 1	0.	30. 1	0.1104457
31. 1	0.0911034	32. 1	0.	33. 1	0.0693748	34. 1	0.1372888	35. 1	0.1054310
36. 1	0.0501271	37. 1	0.	38. 1	0.	39. 1	0.108351	40. 1	0.
41. 1	0.1869199	42. 1	0.0699651	43. 1	0.1469735	44. 1	0.1061680	45. 1	0.1165796
46. 1	0.0985198	47. 1	0.1190720	48. 1	0.1572222	49. 1	0.1092984	50. 1	0.0331594
51. 1	0.	52. 1	0.	53. 1	0.1013640	54. 1	0.0673339	55. 1	0.
56. 1	0.1455419	57. 1	0.	58. 1	0.0523775	59. 1	0.	60. 1	0.
61. 1	0.1576144	62. 1	0.0990480	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0772561	67. 1	0.1314711	68. 1	0.1294911	69. 1	0.1295312	70. 1	0.
71. 1	0.0851237	72. 1	0.0517051	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

.. CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.78670967

.. CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64335483

.. CONTROL=00000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.64335483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4112494	2. 2	0.5110187	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.41125								
SUM NO. 2 IS	0.51102								

*** 40 INPUT H6 IDENTIFICATION INCORRECT.
MINPS=00000000002 NCYCS=0000000012 INDICT=0 000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06899975

.. CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.96798265

.. CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.51849121

.. CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.29374549

.. CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.68137263

.. CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.37518620

.. CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22209300

.. CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.29863960

.. CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33691289

.. CONTROL=00000000007

9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.33691.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3854040	2. 1	0.0890733	3. 1	0.1269749	4. 1	0.0240024	5. 1	0.1280424
6. 1	0.0722633	7. 1	0.0815817	8. 1	0.1181513	9. 1	0.0446606	10. 1	0.
11. 1	0.1018390	12. 1	0.0757397	13. 1	0.0811342	14. 1	0.0983822	15. 1	0.0970263
16. 1	0.0071509	17. 1	0.	18. 1	0.0784261	19. 1	0.	20. 1	0.1027610

21. 1	0.	22. 1	0.	23. 1	0.1211267	24. 1	0.0721067	25. 1	0.0671883
26. 1	0.1119796	27. 1	0.1055044	28. 1	0.	29. 1	0.	30. 1	0.0953271
31. 1	0.0921474	32. 1	0.	33. 1	0.0985844	34. 1	0.0638097	35. 1	0.1000268
36. 1	0.1062166	37. 1	0.0493112	38. 1	0.	39. 1	0.0684845	40. 1	0.0193991
41. 1	0.1265567	42. 1	0.1180854	43. 1	0.1492661	44. 1	0.1165959	45. 1	0.0914135
46. 1	0.1155249	47. 1	0.0803721	48. 1	0.0587584	49. 1	0.0774648	50. 1	0.1114050
51. 1	0.	52. 1	0.	53. 1	0.0784766	54. 1	0.0764060	55. 1	0.
56. 1	0.1111995	57. 1	0.	58. 1	0.0941480	59. 1	0.	60. 1	0.
61. 1	0.0995044	62. 1	0.0856114	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1188464	67. 1	0.0555488	68. 1	0.1147870	69. 1	0.0912507	70. 1	0.
71. 1	0.0774969	72. 1	0.1140019	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.46756167

.. CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.93513535

.. CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.70135151

.. CONTROL=00000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.70135151

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7662167	2. 2	0.1727786	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.76622								
SUM NO. 2 IS	0.17278								

*** 41 INPUT H6 IDENTIFICATION CORRECT
MINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41020603
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84795887
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38571171
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14183530
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01989710
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08086620
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08086620

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3526930	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3357602	13. 1	0.	14. 1	0.1567979	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0153374
21. 1	0.2206770	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2292136
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3491743	32. 1	0.	33. 1	0.0225404	34. 1	0.	35. 1	0.
36. 1	0.3491170	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.7050848	44. 1	0.1665744	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2195101	55. 1	0.7015014
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6134794	63. 1	0.2129763	64. 1	0.1518798	65. 1	0.3634279
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.05658022
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.05658022

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0565802	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.05658

*** 42 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26065448
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48765603
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71465658
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.71465658

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0610930
6. 1	0.3818021	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0269126
16. 1	0.0615953	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4466171	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0000935
36. 1	0.8527231	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1395535	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1149323	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.4200247	67. 1	0.	68. 1	0.	69. 1	0.1484707	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.97834936
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.73917466
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.73917466

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0643952	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.06440
 SUM NO. 2 IS 0.

*** 43 INPUT H1 IDENTIFICATION CORRECT
 MINPS=000000000013 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36179814
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03127868
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.70075923
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36601897
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19564884
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.28233390
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.28233390

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0579728	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5148539	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7843239	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.7064882
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5591998
31. 1	0.3321625	32. 1	0.1518456	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.8053764	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2104906	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4870282	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7782473	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.15702242
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31404485
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.31404485

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.000000								

*** 44 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30434041
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49238741
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.68042441
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.29000000 BIAS = -0.68042441

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1286205
6. 1	0.2443183	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1090433	20. 1	0.
21. 1	0.	22. 1	0.6937383	23. 1	0.	24. 1	0.	25. 1	0.1167223
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1851306	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4560152	37. 1	0.	38. 1	0.8954197	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1340233	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0464424	55. 1	0.
56. 1	0.	57. 1	0.6949155	58. 1	0.	59. 1	0.	60. 1	0.1055569
61. 1	0.	62. 1	0.	63. 1	0.525032H	64. 1	0.8093879	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.1542652	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.17826748
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.2458714
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.32458714

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9357259	2. 2	0.0319479	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93573								
SUM NO. 2 IS	0.03195								

*** 45 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36446752
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83207886
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29968671
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06588154
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18778387
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.18278387

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5724829	17. 1	0.	18. 1	0.	19. 1	0.0594916	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1744752	24. 1	0.7438178	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3360795	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5500010	42. 1	0.7646712	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.5281249	48. 1	0.5465751	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1655442	58. 1	0.	59. 1	0.	60. 1	0.0697730
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1549122	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.05285372
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.05285372

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2255470	2. 2	0.7744530	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.22555								
SUM NO. 2 IS	0.77445								

*** 46 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31864952
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51854779
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71844487
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.71844487

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8058570
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1125676	18. 1	0.0897140	19. 1	0.	20. 1	0.
21. 1	0.4343933	22. 1	0.7877618	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.6937202	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5369728	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4665396	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5957461	58. 1	0.1769685	59. 1	0.	60. 1	0.1436388
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4266520
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.72490622
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.86786181
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.86786181

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0958598	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.09536								
SUM NO. 2 IS	0.								

*** 47 INPUT H3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47491038
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97203402
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46915767
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22054585
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.22054585

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1592814	4. 1	0.5101042	5. 1	0.
6. 1	0.8254630	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7752236
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.4203776	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0183665	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0750018	28. 1	0.2464444	29. 1	0.1055496	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6286872
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2700560	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1043045	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0174765	60. 1	0.4198885
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72486934
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.61244467
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.61244467

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.3237068	2	2	0.5909430	3	0	0.	4	0	0.
2	1	0.32371									
2	1	0.59094									

*** 48 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.08020513
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15545382
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23070250
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.19307816
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.19307816

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0029509	9. 1	0.5503001	10. 1	0.5164500
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1839239	15. 1	0.
16. 1	0.3293482	17. 1	0.2401404	18. 1	0.0276378	19. 1	0.	20. 1	0.
21. 1	0.0701845	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2097609	27. 1	0.1454358	28. 1	0.2953265	29. 1	0.	30. 1	0.
31. 1	0.2951986	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2650594	38. 1	0.	39. 1	0.1478049	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0892385	45. 1	0.
46. 1	0.	47. 1	0.0997328	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3865403	52. 1	0.	53. 1	0.040669	54. 1	0.	55. 1	0.0232266
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0659761	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2549302
66. 1	0.	67. 1	0.1604993	68. 1	0.	69. 1	0.	70. 1	0.2126449
71. 1	0.0216245	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.9489727	2	2	0.	3	0	0.	4	0	0.
2	1	0.94897									
2	1	0.									

*** 49 INPUT H4 IDENTIFICATION CORRECT
 MINPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40621449
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89742775
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38864101
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14303438
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.76583770
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20443605
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.20443605

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6285691	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4446113
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0569467	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0492415	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2706964	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6274981
46. 1	0.3821107	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2339487
51. 1	0.6084643	52. 1	0.1478228	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.2306700	68. 1	0.	69. 1	0.4771515	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.34522054
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64044109
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.69044109

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 50 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06871457
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.85814705
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.46343082
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.76607271
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BI = 0.41739365
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24305414
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33027389
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.33027389

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0867846	2. 1	0.0413660	3. 1	0.2418317	4. 1	0.1503358	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.2113435	10. 1	0.2350737
11. 1	0.1100403	12. 1	0.0314561	13. 1	0.0055043	14. 1	0.2601090	15. 1	0.0337870
16. 1	0.2554947	17. 1	0.	18. 1	0.1578359	19. 1	0.	20. 1	0.2158701
21. 1	0.	22. 1	0.	23. 1	0.0096927	24. 1	0.3761378	25. 1	0.
26. 1	0.1646804	27. 1	0.	28. 1	0.	29. 1	0.1846133	30. 1	0.1222533
31. 1	0.0903574	32. 1	0.	33. 1	0.	34. 1	0.0399137	35. 1	0.
36. 1	0.	37. 1	0.0146447	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0726970	42. 1	0.2020198	43. 1	0.1879756	44. 1	0.0734423	45. 1	0.0045828
46. 1	0.0262147	47. 1	0.0313392	48. 1	0.	49. 1	0.0638005	50. 1	0.0205732
51. 1	0.	52. 1	0.0659121	53. 1	0.0930018	54. 1	0.	55. 1	0.1157272
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0904820	60. 1	0.
61. 1	0.1764640	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0838186
66. 1	0.	67. 1	0.2633305	68. 1	0.	69. 1	0.0156482	70. 1	0.
71. 1	0.0155528	72. 1	0.0950545	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.11596055								
** CONTROL=000000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.23192112								
** CONTROL=000000000003									
2 BIAS CHANGES									

LEVEL 2 MS = 0.01000000 BIAS = 0.23192112

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 51 INPUT H5 IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 24.74210262
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 12.47521806
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 6.34177566
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.27505448
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.74169391
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.97501363
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.54167349
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40000343
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49581846
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.44792095
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42396219
 ** CONTROL=000000000007
 13 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.42396219

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1738845	2. 1	0.1453089	3. 1	0.1537791	4. 1	0.1311737	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1223456	10. 1	0.1204548
11. 1	0.0712733	12. 1	0.0890406	13. 1	0.1074514	14. 1	0.0520295	15. 1	0.1173491
16. 1	0.0854563	17. 1	0.0559703	18. 1	0.0491782	19. 1	0.0184806	20. 1	0.0654398
21. 1	0.	22. 1	0.	23. 1	0.1188685	24. 1	0.0924660	25. 1	0.
26. 1	0.1748338	27. 1	0.	28. 1	0.	29. 1	0.0550214	30. 1	0.0796851
31. 1	0.1405923	32. 1	0.0043579	33. 1	0.	34. 1	0.0918193	35. 1	0.
36. 1	0.	37. 1	0.1262096	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0817027	42. 1	0.0718450	43. 1	0.1332150	44. 1	0.0847383	45. 1	0.0794533
46. 1	0.1317579	47. 1	0.0891968	48. 1	0.	49. 1	0.0851516	50. 1	0.1175680
51. 1	0.	52. 1	0.1200894	53. 1	0.0986143	54. 1	0.	55. 1	0.0993350
56. 1	0.0752319	57. 1	0.	58. 1	0.	59. 1	0.1508670	60. 1	0.
61. 1	0.2045613	62. 1	0.	63. 1	0.0481120	64. 1	0.	65. 1	0.0971512
66. 1	0.	67. 1	0.1307280	68. 1	0.0449918	69. 1	0.0991094	70. 1	0.
71. 1	0.1039865	72. 1	0.0841455	U. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.03706470
 CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.26851237
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88426620
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07639928
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98033275
 CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.98013275

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3390436	2. 2	0.7257840	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.33904								
SUM NO. 2 IS	0.72578								

*** 52 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=030000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.60235173
 CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.54423138
 CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.51517121
 CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.51517121

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2406216	2. 1	0.0931839	3. 1	0.0653498	4. 1	0.1045564	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1705049	10. 1	0.0909244
11. 1	0.1027673	12. 1	0.0855695	13. 1	0.0605388	14. 1	0.1013905	15. 1	0.0594977
16. 1	0.0990043	17. 1	0.0943993	18. 1	0.1072654	19. 1	0.0842798	20. 1	0.0914989
21. 1	0.	22. 1	0.	23. 1	0.1415593	24. 1	0.0845741	25. 1	0.0683002
26. 1	0.1620825	27. 1	0.	28. 1	0.	29. 1	0.0793069	30. 1	0.0924693
31. 1	0.0856304	32. 1	0.0907013	33. 1	0.	34. 1	0.1115801	35. 1	0.
36. 1	0.	37. 1	0.0734721	38. 1	0.	39. 1	0.	40. 1	0.0502759
41. 1	0.0658723	42. 1	0.0961391	43. 1	0.0987613	44. 1	0.1244628	45. 1	0.0976725
46. 1	0.0814521	47. 1	0.1320320	48. 1	0.	49. 1	0.0917294	50. 1	0.0471341
51. 1	0.	52. 1	0.0820047	53. 1	0.1072529	54. 1	0.	55. 1	0.1199621
56. 1	0.0872937	57. 1	0.	58. 1	0.	59. 1	0.1221616	60. 1	0.
61. 1	0.1649676	62. 1	0.	63. 1	0.0966519	64. 1	0.	65. 1	0.1062384
66. 1	0.	67. 1	0.1067381	68. 1	0.0870036	69. 1	0.1090292	70. 1	0.
71. 1	0.1105610	72. 1	0.1048618	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 13.28969967
 CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 6.89484990
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.69742495
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.09871250
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.24935628
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89967817
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.09951723
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.99954770
 CONTROL=000000000007
 9 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.99959770

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5372208	2. 2	0.3920142	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.53722								
SUM NO. 2 IS	0.39201								

*** 53 INPUT H5 IDENTIFICATION CORRECT
M.NPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38545276
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84735717
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30926158
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07830937
** CONTROL=000000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07830937

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3799412	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3089983	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0430983	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.8188247	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6591372	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.5395586	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0372850	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6772297
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1418342
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3054912	64. 1	0.0824066	65. 1	0.7065714
66. 1	0.0210157	67. 1	0.6672811	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.18752401
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37504804
** CONTROL=000000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37504804

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 54 INPUT V5 IDENTIFICATION CORRECT
MINPS=000000000002 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06174741
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41892801
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24008772
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.15066758
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.19537765
** CONTROL=000000000007
5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.19537765

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2744041	2. 1	0.1408225	3. 1	0.2078619	4. 1	0.	5. 1	0.2215642
6. 1	0.3984942	7. 1	0.0322859	8. 1	0.1778322	9. 1	0.	10. 1	0.
11. 1	0.0432210	12. 1	0.0808421	13. 1	0.0403803	14. 1	0.0207147	15. 1	0.1259630
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1333393
21. 1	0.	22. 1	0.	23. 1	0.0749997	24. 1	0.0588742	25. 1	0.0199732
26. 1	0.	27. 1	0.0783422	28. 1	0.	29. 1	0.	30. 1	0.1349871
31. 1	0.	32. 1	0.	33. 1	0.0724703	34. 1	0.1370671	35. 1	0.3834311
36. 1	0.1827648	37. 1	0.	38. 1	0.	39. 1	0.0518594	40. 1	0.
41. 1	0.0927351	42. 1	0.1623256	43. 1	0.0972480	44. 1	0.0514865	45. 1	0.1121456
46. 1	0.1112565	47. 1	0.0683354	48. 1	0.0333801	49. 1	0.0211026	50. 1	0.1448114
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0435371	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1752536	62. 1	0.0141713	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2833382	67. 1	0.0440520	68. 1	0.0160996	69. 1	0.0635535	70. 1	0.
71. 1	0.0155752	72. 1	0.1053765	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95227786
** CONTROL=000000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72611894
** CONTROL=000000000007
3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.72611894

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.7028830	2. 2	G.2744338	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.70288								
SUM NO. 2 IS	0.27443								

*** 55 INPUT N6 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43413353
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96627654
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.49841955
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.23234805
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09931231
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16583018
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.16583018

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3414850	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.4248490	13. 1	0.	14. 1	0.1611464	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1370204	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2315063
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3702440	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.3372765	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1772413	44. 1	0.1850384	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2284009	55. 1	0.7548956
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6682120	63. 1	0.2207643	64. 1	0.1090554	65. 1	0.4131317
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.45612516
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.91225033
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.91225033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 56 INPUT V6 IDENTIFICATION CORRECT
 MINPS=0000000000014 NCYCS=0000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.79024951
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.54116918
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.79203886
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.79203886

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.1794706
6. 1	C.2326568	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	C.7205394	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.1689290
36. 1	0.9689221	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	C.0785448	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0895895	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7480306	67. 1	0.	68. 1	0.	69. 1	0.1350483	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7645351	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.76454								
SUM NO. 2 IS	0.								

*** 57 INPUT M1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.17150900
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13214584
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.89278267
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.51246426
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32230505
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41738465
 ** CONTROL=000000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.41738465

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5505613	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6863190	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5753375

21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5851367
31. 1	0.2470300	32. 1	0.1182899	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6746019	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1734128	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4617000	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6330186	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.07620911
 ** CONTROL=000000000001
 ** BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.07620911

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0762091	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.07621								

*** 58 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30360167
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51734173
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73108180
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94482186
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83795184
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.78451683
 ** CONTROL=000000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.78451683

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1174862	20. 1	0.
21. 1	0.	22. 1	0.6870687	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.2473495	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.3814704	37. 1	0.	38. 1	0.8731061	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.6881923	58. 1	0.	59. 1	0.	60. 1	0.0815430
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.2255625
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.06957820
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.06957820

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.9311506	2. 2	0.	0.	0. 0	0.	0.	0. 0	0.	0.
2 IS	2. 2	0.93115									

*** 59 INPUT M2 IDENTIFICATION CORRECT
NIMPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37444285
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87910351
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38376418
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13143384
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25759901
** CONTROL=00000000007
5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25759901

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6407300	17. 1	0.	18. 1	0.	19. 1	0.0173737	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1349488	24. 1	0.6968281	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3402129	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5665324	42. 1	0.7082713	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.5220584	48. 1	0.5552226	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0851476	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1696852	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.11742076
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23484156
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.23484156

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.	2. 2	1.0000000	0. 0	0. 0	0.	0.	0. 0	0.	0.
2 IS	2. 2	1.00000									

*** 60 INPUT V2 IDENTIFICATION CORRECT
NEW G-WEIGHTS FROM RESULT OF INPUT 60

COMPONENT 1. 1 G-WEIGHTS

0.49565125	0.51780701	0.50219727	0.49565125	0.49565125
0.49565125	0.50097656	0.49565125	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48858643	0.48858643	0.48858643	0.51875305
0.48858643	0.48858643	0.51875305	0.51875305	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.63209534	0.40434265	0.50080872	0.58238220	0.43537903
0.40184021	0.42634583	0.61676025	-0.61860657	-0.25668335
-0.62615967	-0.58700781	-0.37916565	-0.46920776	-0.57934570
-0.48779297	0.11038208	0.59930420	0.74444580	0.71788188
0.51420593	0.36923218	0.39979553	0.54489136	-0.40293884
-0.57723999	-0.43054199	-0.45749001	-0.45765685	-0.78588867
-0.43054199	-0.45765686	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.52638245	0.50256348	-0.40661621	0.52166748	0.40502930
0.52384949	0.64662170	0.46722412	-0.22111511	-0.53451538
-0.41580200	-0.47523499	-0.61260986	-0.76823425	-0.46182251
-0.51062012	0.	0.98759460	0.89830017	0.38375854
0.38853455	0.89830017	0.21934509	0.22412109	-0.32196045
-0.86653137	-0.32196045	-0.39871216	-0.39549255	-0.32196045
-0.39871216	-0.97459412	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.55307007	0.47036743	0.48800659	0.50215149	0.49519348
0.49433899	0.48637390	0.51046753	-0.55560303	-0.26081848
-0.54505920	-0.54545593	-0.59031677	-0.41226196	-0.54602051
-0.54441833	0.52673340	0.54237166	0.54833984	0.45381165
0.42118835	0.49572754	0.51138106	0.40039673	-0.28823853
-0.51074219	-0.50607300	-0.58366394	-0.61628723	-0.49507141
-0.48913574	-0.51074219	0.	0.	0.

COMPONENT 5.1 G-WEIGHTS

0.4224096A	0.42068421	0.4470704	0.44534302	0.78895679
0.42068421	0.62516785	0.44401550	-0.4 40820	-0.57011414
-0.55854797	-0.39941079	-0.58479309	-0.58490146	-0.58920105
-0.29910278	0.79988779	0.79988779	0.	0.
0.79988779	0.79988779	0.79988779	0.	-0.56221008
-0.48168945	0.	-0.63739014	-0.56221008	-0.48168945
-0.63739014	-0.63739014	0.	0.	0.

COMPONENT 6.1 G-WEIGHTS

0.50520325	0.46245544	0.38372803	0.59025574	0.88447461
0.49244630	0.35559082	0.31628418	-0.53921509	-0.68193054
-0.50123448	-0.25706482	-0.54754639	-0.44117737	-0.60643005
-0.42535460	0.06289473	0.77062988	0.68190002	0.23594666
0.77062988	0.68190002	0.56610437	0.23594666	-0.32296753
-0.47978210	-0.62025452	-0.13413782	-0.47978210	-0.62025452
-0.73493540	-0.60286424	0.	0.	0.

COMPONENT 7.1 G-WEIGHTS

0.87548628	0.66505432	0.50645447	0.37452698	0.37506104
0.48871948	0.36705017	0.36761475	-0.59341431	0.
-0.59635925	-0.59523010	-0.55741211	-0.59773254	-0.42694092
-0.59288025	0.63593374	0.53448987	0.69963074	0.63648987
0.69963074	0.63250732	0.	0.05939721	-0.43827820
-0.52214050	-0.50573730	-0.56241089	-0.50175476	-0.52214050
-0.56573730	-0.50175476	0.	0.	0.

COMPONENT 8.1 G-WEIGHTS

0.48207 92	0.45516968	0.55415344	0.47763062	0.48498535
0.56736755	0.48692322	0.49166870	-0.46543884	-0.49342346
-0.53361511	-0.47158813	-0.47747803	-0.55750667	-0.52372742
-0.47711182	0.73149109	0.55914917	0.27103333	0.48782349
0.73149109	0.23103333	0.25614929	0.67179871	-0.45854187
-0.53535461	-0.47163555	-0.45854187	-0.53535461	-0.79182437
-0.27745056	-0.47163555	0.	0.	0.

COMPONENT 9.1 G-WEIGHTS

0.42179871	0.58250427	0.57870483	0.46527100	0.53855896
0.48846545	0.41044617	0.51620483	-0.53168250	-0.41236877
-0.49349976	-0.41372681	-0.53634644	-0.59533813	-0.54261780
-0.50439453	0.94024658	0.06904602	0.24954224	0.94024658
0.24954224	0.72233582	0.24954224	0.57922200	-0.09019470
-0.93095398	-0.46374512	-0.31854748	-0.80529785	-0.46374512
-0.46374512	-0.46374512	0.	0.	0.

COMPONENT 10.1 G-WEIGHTS

0.50885010	0.22218325	0.86964417	0.27886859	0.88864246
0.72975159	0.24491882	0.25917053	-0.63032532	-0.70005798
-0.62141418	-0.64822388	-0.21928406	-0.51943976	-0.00372314
-0.65748596	0.62837214	0.88905334	0.29682922	0.17869568
0.19255066	0.62837219	0.88905334	0.29682922	-0.54791687
-0.72576904	-0.56791687	-0.55696106	-0.01226807	-0.44419861
-0.56791687	-0.55696106	0.	0.	0.

COMPONENT 11.1 G-WEIGHTS

0.41346741	0.40147409	0.40414429	0.36105347	0.40084639
0.38117961	1.00000000	0.63781738	-0.56542969	-0.58212280
-0.57101440	-0.57551575	-0.56965637	-0.56077576	0.
-0.51543945	0.60455322	0.60455322	0.55355835	0.60455322
0.60455322	0.53954656	0.48858643	0.	-0.46087646
-0.52885601	-0.58345032	0.51568604	-0.46087646	-0.46087646
-0.52885601	-0.46087646	0.	0.	0.

COMPONENT 12.1 G-WEIGHTS

0.45286724	0.46633911	0.45603743	0.56065369	0.69317627
0.46359253	0.46324158	0.44427490	-0.31802368	-0.45561218
-0.55621438	0.57531685	-0.57911682	-0.42921448	-0.55070496
-0.53756714	0.32249451	0.18563679	0.67245483	0.47430470
0.53582764	0.67245483	0.60074904	0.53582764	-0.40733337
-0.47900391	-0.60548401	-0.54397583	-0.40733337	-0.54397583
-0.60548401	-0.40733337	0.	0.	0.

COMPONENT 13.1 G-WEIGHTS

0.39131165	0.43215942	0.45848083	0.57939148	0.56202698
0.57008836	0.44879150	0.55775452	-0.54443359	-0.47796631
-0.44688416	-0.53489685	-0.45358276	-0.45846558	-0.59776306
-0.48594666	0.20439148	0.90771484	0.48367310	0.20439148
0.60403442	0.90771484	0.48367310	0.20439148	-0.28713989
-0.68803406	-0.95684814	-0.56729126	-0.28713989	-0.68803406
-0.26274109	-0.26274109	0.	0.	0.

COMPONENT 14.1 G-WEIGHTS

0.49682617	0.43926294	0.58935547	0.51976013	0.51571709
0.41716003	0.50785828	0.51321411	-0.50370789	-0.53523254
-0.54779053	-0.41239779	-0.52988647	-0.45819092	-0.47030660
-0.51245544	0.24042898	0.11985779	0.63363953	0.87467957
0.27571106	0.60758972	0.77603040	0.37011719	-0.78843689
-0.53556824	-0.34454346	-0.34454346	-0.76222229	-0.53556824
-0.34454346	-0.34454346	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.44525146	0.42782593	0.51448059	0.63385010	0.44828796
0.43074036	0.65266418	0.44685364	-0.35382080	-0.52357483
-0.53717041	-0.53030396	-0.53007507	-0.53594971	-0.51849365
-0.47056580	0.17990112	0.47241211	0.45008850	0.70440674
0.71583557	0.58132935	0.47241211	0.42333984	-0.46624756
-0.45536804	-0.56428528	-0.58666997	-0.32083130	-0.45536204
-0.56428528	-0.58666997	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.90466309	0.42988586	0.47915644	0.40959167	0.33062744
0.39103699	0.54524231	0.50975017	-0.55209351	-0.54151917
-0.11532593	-0.51641846	-0.59712219	-0.51196289	-0.59027100
-0.57525635	0.62602708	0.52714539	0.50999451	0.36898804
0.62602708	0.52714539	0.67587760	0.13880920	-0.48612976
-0.64430237	-0.48612976	-0.38726807	-0.48612976	-0.64430237
-0.37956238	-0.48612976	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.53669739	0.50161743	0.47090149	0.51507568	0.51507568
0.49147034	0.44450378	0.52462769	-0.53343201	-0.46566772
-0.47523449	-0.48782349	-0.56207275	-0.50576782	-0.48422241
-0.48574829	0.18074036	0.60354614	0.18074036	0.69744873
0.89115906	0.89115906	0.18074036	0.37443547	-0.46617126
-0.37223816	-0.17861938	-0.46617126	-0.69534302	-0.46617126
-0.88905334	-0.46617126	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.45108032	0.43028423	0.52191162	0.50755310	0.51977537
0.53715515	0.51239014	0.52000427	-0.53572087	-0.53649902
-0.41973877	-0.28523254	-0.54383850	-0.53726196	-0.59703064
-0.54464722	0.73702511	0.63383484	0.77246094	0.67059326
0.30549622	0.45159912	0.39076733	0.03952026	-0.62953186
-0.41952188	-0.46455183	-0.34219360	-0.44500048	-0.81419373
-0.41952188	-0.46455183	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.47538757	0.48434448	0.43659973	0.45104980	0.63519287
0.41998291	0.46868676	0.62904358	-0.54272461	-0.48588562
-0.50415039	-0.48167419	-0.49217224	-0.47514363	-0.49736023
-0.52119446	0.26841736	0.78237915	0.78237915	0.41920471
0.56121826	0.63157654	0.28636169	0.26841736	-0.52427673
-0.50633240	-0.30307007	-0.64836121	-0.52427673	-0.30307007
-0.66629028	-0.52427673	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.52682495	0.47802734	0.48423767	0.50314331	0.55209351
0.55952454	0.53265311	0.36346436	-0.50166321	-0.54287720
-0.27825928	-0.50263977	-0.50978088	-0.59895325	-0.52590942
-0.53988647	0.58035278	0.61466980	0.61466980	0.36447144
0.56435209	0.60989380	0.34849540	0.30307429	-0.43406677
-0.42276001	-0.68635559	-0.43406677	-0.43406677	-0.42276001
-0.69647639	-0.46945190	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.39065552	0.66343689	0.39323425	0.50282288	0.71249390
0.48852539	0.44419861	0.40457153	-0.58364868	-0.58364868
-0.53276062	-0.57206726	-0.53405762	-0.13615417	-0.52197266
-0.53564453	0.75578308	0.84501648	0.37051192	0.24087524
0.24842834	0.20802307	0.62106323	0.71028137	-0.54768372
-0.67732239	-0.67732239	-0.63691711	-0.16246033	-0.07324219
-0.54768372	-0.67732239	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.42434692	0.48350575	0.34866333	0.34866333	0.99343877
0.42068481	0.34866333	0.63198853	-0.55039978	-0.55966187
-0.57833862	0.	-0.57833862	-0.57652783	-0.57833862
-0.57833862	0.45874023	0.90344238	0.90344238	0.29307556
0.	0.35176086	0.90344238	0.18608093	-0.75439453
-0.75439453	-0.75439453	-0.03280640	0.	-0.19515991
-0.75439453	-0.75439453	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.47869873	0.48844692	0.48829651	0.60223647	0.47229004
0.47999573	0.48872375	0.50277313	-0.51564076	-0.44812012
-0.49188232	-0.44210815	-0.54328918	-0.52249146	-0.49934387
-0.53707886	0.49145508	0.49145508	0.72146606	0.59371949
0.48605347	0.36900330	0.48778743	0.35949707	-0.50723267
-0.49232483	-0.50184631	-0.50184631	-0.50184631	-0.50184631
-0.50184631	-0.49119568	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.47189331	0.59271240	0.58247175	0.22945840	0.60014343
0.55043010	0.53396606	0.43846133	0.	-0.59178162
-0.40890503	-0.57585144	-0.62069702	-0.51765447	-0.52633667
-0.75874379	0.	0.78704434	0.43681419	0.34279724
0.78704434	0.78704434	0.43681419	0.38277724	-0.44406124
-0.48110452	-0.38739445	-0.78689575	-0.78689575	-0.44406124
0.48110452	-0.38739445	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.68035889	0.47608948	0.48634338	0.45274353	0.48956299
0.45692444	0.46601394	0.49189758	-0.54856873	-0.42527771
-0.58222961	-0.52621460	-0.37893677	-0.37336731	-0.57054138
-0.59423337	0.68655346	0.49470520	0.41561890	0.33235168
0.68655396	0.41561890	0.48426819	0.48426819	-0.53858948
-0.45535278	-0.34672546	-0.61767578	-0.70094299	-0.34672546
-0.51858948	-0.45535278	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.49856567	0.49836731	0.47547438	0.49870300	0.56262207
0.45013428	0.49160767	0.52447510	-0.51023865	-0.48939514
-0.45249439	-0.51210022	-0.56031799	-0.51634216	-0.44393921
-0.51513672	0.42944336	0.54949951	0.70112610	0.62490845
0.42944336	0.54949951	0.70112610	0.01490784	-0.50778198
-0.50778198	-0.35618591	-0.43238831	-0.70405579	-0.62783813
-0.50778198	-0.35618591	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.38496399	0.45803833	0.40859985	0.40898132	0.46376038
1.00000000	0.40811157	0.46749878	-0.52006531	-0.51173401
-0.48812866	-0.49787903	-0.51539612	-0.51213074	-0.41345215
-0.54118347	0.	0.82386780	0.91003418	0.14347839
0.20925903	0.82386780	0.20925903	0.88020325	-0.64137268
-0.75228882	0.	-0.44137268	-0.75228882	-0.64137268
0.	-0.57125854	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.44763184	0.35240172	0.41700745	0.41378784	0.93736267
0.59773254	0.41700745	0.41702271	-0.57838440	-0.49096680
-0.58799744	-0.25404358	-0.57521057	-0.58799744	-0.47492981
-0.45042419	0.84738159	0.23419189	0.19268799	0.77052307
0.92012024	0.30696106	0.00033569	0.72775269	-0.42808533
-0.12030029	-0.49810791	-0.61384583	-0.49810791	-0.61384583
-0.61384583	-0.61384583	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.60877991	0.41661072	0.44168091	0.43481445	0.45571899
0.46830750	0.73063660	0.44343567	-0.45707703	-0.38819885
-0.59371948	-0.53253174	-0.52827454	-0.54119873	-0.53146362
-0.42749023	0.60678430	0.33332825	0.67897034	0.75376892
0.45935059	0.48632813	0.30630493	0.38111877	-0.51275635
-0.44609070	-0.44609070	-0.39431543	-0.66574097	-0.63876343
-0.44609070	-0.44609070	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.42518616	0.40908813	1.00000000	0.45744324	0.41738892
0.44514465	0.40843201	0.43728638	-0.61434937	-0.54563904
-0.54583740	0.	-0.55378723	-0.54000854	-0.60340881
-0.59693909	0.08819580	0.	0.72203064	0.49250793
0.45971680	0.72203064	0.76063538	0.75482178	-0.73204041
-0.41354370	-0.41354370	-0.69573975	-0.45594788	-0.41354370
-0.41966248	-0.45594788	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.43218994	0.48043823	0.47660828	0.55744934	0.62654114
0.41952515	0.45808411	0.54913330	-0.59835815	-0.64714030
-0.60253906	-0.28561401	-0.23477173	-0.60260010	-0.49057007
-0.53834534	0.40571594	0.53013611	0.52703857	0.76013184
0.72381592	0.38630249	0.16619873	0.52061462	-0.05255127
-0.42490405	-0.44470215	-0.79939270	-0.63635254	-0.40921838
-0.63635254	-0.63446533	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.79914856	0.41224670	0.41949463	0.42288208	0.62957764
0.42573547	0.47236633	0.41850241	-0.60267639	-0.45481873
-0.60717173	-0.33695984	-0.39726257	-0.61599731	-0.37315369
-0.61192322	0.12400818	0.20709229	0.73400879	0.74851990
0.35914612	0.34465027	0.73400879	0.74851990	-0.40693665
-0.65655518	-0.25268555	-0.55897522	-0.64205933	-0.55897522
-0.65655518	-0.26719666	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49627686	0.49525452	0.5056101	0.51177979	0.50181580
0.49749756	0.49774170	0.49394226	-0.50949097	-0.49914551
-0.49485779	-0.51948547	-0.41273449	-0.44921875	-0.51092529
-0.51072693	0.44831848	0.57223511	0.44613647	0.57223511
0.49424744	0.57223511	0.51084900	0.44613647	-0.50863647
-0.50863647	-0.51084900	0.	-0.43281555	-0.50863647
-0.51084900	-0.50863647	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51294373	0.43119702	0.48063660	0.54277039	0.49775696
0.43804732	0.60925233	0.46536255	-0.51333618	-0.53263855
-0.51461742	-0.51222229	-0.41273449	-0.49739775	-0.51162720
-0.51540161	0.57615662	0.73394444	0.57951355	0.54930115
0.49034119	0.50489807	0.29115245	0.27117700	-0.49163818
-0.46043823	-0.49163818	-0.49504189	-0.33415222	-0.49163818
-0.52165222	-0.49504189	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.49813843	0.48828125
0.49739075	0.45715332
-0.53009033	-0.53979492
-0.53009033	0.79998779
0.	0.79998779
-0.58389282	-0.58389282
-0.55479431	-0.55479431

0.48373413
0.63197327
-0.42781067
0.
0.
0.
0.

0.47547913
-0.35221863
-0.54232788
0.79998779
0.79998779
-0.58389282
0.

0.46781921
-0.53009033
-0.54753113
0.79998779
-0.58389282
-0.55479431
0.

COMPONENT 36. 1 G-WEIGHTS

0.50495911	0.58291199
0.36521912	0.34007263
-0.67625427	-0.67428589
-0.17124939	0.94012451
0.94012451	0.
-0.70687866	-0.70687866
-0.70687866	-0.68247986

1.00000000
0.45838928
-0.68911743
0.37577820
0.
-0.07345581
0.

0.33409119
-0.87512512
-0.30541992
0.
0.94012451
-0.20687866
0.

0.43403625
-0.34857178
-0.45991516
0.80381775
-0.20825195
-0.70687866
0.

COMPONENT 37. 1 G-WEIGHTS

0.54351807	0.53964233
0.56712341	0.47508240
-0.50370749	-0.53550720
-0.48733521	0.67167664
0.32829285	0.20695496
-0.31317139	-0.89926147
-0.89926147	-0.43453979

0.55557251
0.31079102
-0.43626404
0.79304504
0.32829285
-0.43453979
0.

0.51153564
-0.50247192
-0.46398926
0.20695496
0.67167664
-0.35302734
0.

0.49690247
-0.54815674
-0.52273560
0.79304504
-0.35302734
-0.31317139
0.

COMPONENT 38. 1 G-WEIGHTS

0.52651978	0.40219116
0.40267944	0.40219116
-0.64073181	-0.63830566
-0.52850342	0.67349243
0.67370605	0.82453918
-0.62661743	0.
-0.62661743	-0.62661743

0.78195190
0.46421814
-0.64062500
0.82453918
0.17913818
-0.62661743
0.

0.41429138
-0.64073181
-0.44528198
0.
0.82453918
-0.62661743
0.

0.60591125
0.
-0.46578979
0.
-0.62661743
-0.24047852
0.

COMPONENT 39. 1 G-WEIGHTS

0.55712891	0.44107056
0.49215698	0.73887634
-0.45643616	-0.45184326
-0.53715515	0.34265137
0.53703308	0.65275574
-0.30665771	-0.57336426
-0.38665771	-0.57336426

0.44450378
0.43891907
-0.45251465
0.53703308
0.46606445
-0.50241089
0.

0.44723511
-0.51278697
-0.53691101
0.56091309
0.25080872
-0.47851563
0.

0.44006348
-0.53793335
-0.51435852
0.65275574
-0.54949951
-0.54949951
0.

COMPONENT 40. 1 G-WEIGHTS

0.44471741	0.68969727
0.50090027	0.55551147
-0.55499268	-0.55497742
-0.55541992	0.50915527
0.55264282	0.59580994
-0.48301697	-0.49916077
-0.52648926	-0.53463745

0.43820190
0.44357300
-0.49754333
0.50102234
0.53648376
-0.49916077
0.

0.44602966
-0.53680420
-0.19764709
0.57151794
0.13752747
-0.53463745
0.

0.48132324
-0.55039978
-0.55218506
0.59580994
-0.43984985
-0.48301697
0.

COMPONENT 41. 1 G-WEIGHTS

0.48757935	0.51202393
0.42375183	0.48294067
-0.51057434	-0.56245422
-0.51675415	0.64317322
0.65266418	0.51780701
-0.42338562	-0.55825806
-0.55825806	-0.62953186

0.48538208
0.50573730
-0.52874756
0.64317322
0.46654846
-0.42550659
0.

0.48860168
-0.51271057
-0.33244324
0.50828552
0.15126038
-0.42338562
0.

0.61396790
-0.52496338
-0.51132202
0.43704224
-0.42338562
-0.55825806
0.

COMPONENT 42. 1 G-WEIGHTS

0.46936035	0.44059753
0.49626160	0.67176819
-0.64440918	-0.16416931
0.	0.58904607
0.58904607	0.58209229
-0.44567708	-0.44587708
-0.44587708	-0.43896484

0.48696849
0.52180481
-0.68252563
0.58209229
0.35381606
-0.66419983
0.

0.50028992
-0.59849548
-0.63727229
0.58209229
0.36082458
-0.43896484
0.

0.41291809
-0.60212708
-0.67100525
0.36082458
-0.67430115
-0.44587708
0.

COMPONENT 43. 1 G-WEIGHTS

0.64649963	0.38871765
0.37690735	0.41049194
-0.48124695	-0.49191284
-0.48649577	0.66333008
0.44638062	0.53167725
-0.45014954	-0.64541626
-0.64541626	-0.45014954

0.43753052
0.38026428
-0.52978516
0.66333008
0.53167725
-0.45837402
0.

0.35944285
-0.52609253
-0.51837158
0.68722534
0.
-0.45014954
0.

1.00000000
-0.40060425
-0.56546021
0.47634888
-0.45014954
-0.45014954
0.

COMPONENT 44. 1 G-WEIGHTS

0.50004578	0.49485779
0.48800659	0.49786177
-0.55404663	-0.45275879
-0.45796204	0.54206848
0.40985107	0.41824341
-0.57902577	-0.52418518
-0.52418518	-0.39469910

0.50834656
0.49090576
-0.47836104
0.22032166
0.47314453
-0.39469910
0.

0.56857100
-0.54768372
-0.53144836
0.60212708
0.60261536
-0.71638489
0.

0.45135498
-0.43133545
-0.54638677
0.73158264
-0.34255981
-0.52418518
0.

COMPONENT 45. 1 G-WEIGHTS

0.48428345	0.36111450
0.43666077	0.46195984
-0.53889465	-0.53764343
-0.33197021	0.03575134
0.45355225	0.77111707
-0.41372681	-0.74224854
-0.76113892	-0.41209412

0.79457092
0.44001770
-0.52835087
0.06608582
0.72752380
-0.39485168
0.

0.61141968
-0.59793091
-0.32942200
0.75601196
0.42506409
-0.44052124
0.

0.40994263
-0.53950500
-0.59623718
0.76286316
-0.39485168
-0.44052124
0.

COMPONENT 46. 1 G-WEIGHTS

0.47856140	0.38652039
0.57575989	0.47544861
-0.52112852	-0.48567200
-0.48764038	0.52191162
0.54347229	0.44194031
-0.42378235	-0.42378235
-0.42378235	-0.66680908

0.71495056
0.53152466
-0.37014771
0.15518188
0.56582228
-0.79045105
0.

0.46536255
-0.56582642
-0.54896545
0.78649902
0.19885254
-0.42378235
0.

0.37182617
-0.49807739
-0.52191162
0.78649902
-0.42378235
-0.42378235
0.

COMPONENT 47. 1 G-WEIGHTS

0.47294617	0.45770264
0.41400146	0.44540405
-0.52522278	-0.53007507
-0.39471436	0.
0.65298462	0.55265808
-0.67839349	-0.46765137
-0.58341980	-0.1343689

0.47729415
0.43496704
-0.50161907
0.55265808
0.71914673
-0.1343689
0.

0.46731567
-0.52899170
-0.51211548
0.66595459
0.13743591
-0.46765137
0.

0.83038330
-0.47827148
-0.57915955
0.71914673
-0.49462891
-0.48138428
0.

COMPONENT 48. 1 G-WEIGHTS

0.45249939	0.57189941
0.45971680	0.49171448
-0.19670105	-0.76466370
-0.48759460	0.
0.80433655	0.75048828
-0.46362305	-0.46362305
-0.46362305	-0.68394470

0.38078308
0.43052673
-0.10124207
0.65562439
0.40324402
-0.68394470
0.

0.57133484
-0.48617554
-0.56256104
0.62803650
0.10261536
-0.43513489
0.

0.64149475
-0.70855713
-0.69245911
0.65562439
-0.34248352
-0.46362305
0.

COMPONENT 49. 1 G-WEIGHTS

0.50415039	0.49357605
0.53009033	0.52671814
-0.50354004	-0.52192688
-0.45921326	0.45782471
0.41821289	0.79884338
-0.37373352	-0.82026672
0.37373352	-0.44538879

0.51179504
0.49876404
-0.52073669
0.08295678
0.83787537
-0.78759766
0.

0.40051270
-0.53594971
-0.51527405
0.11555481
0.42398071
-0.41276550
0.

0.53436279
-0.47563171
-0.46768188
0.86473083
-0.41276550
-0.37373352
0.

COMPONENT 50. 1 G-WEIGHTS

0.56632496	0.50405936
0.45198059	0.59646606
-0.53598022	-0.13342285
-0.53175354	0.22296143
0.60490417	0.61183167
-0.40255737	-0.60655212
-0.60655212	-0.58831787

0.32197266
0.38777161
-0.50976563
0.76402283
0.47189026
-0.40255737
0.

0.39909363
-0.60479736
-0.54821777
0.76402283
0.02270508
-0.40255737
0.

0.57225037
-0.59439758
-0.58161926
0.58763123
-0.58831787
-0.40255737
0.

COMPONENT 51. 1 G-WEIGHTS

0.48300171	0.40284729
0.73580933	0.60470581
-0.44794556	-0.60165405
-0.66439819	0.26046753
0.26046753	0.83441162
-0.62979126	-0.62979126
-0.62979126	-0.62979126

0.40284729
0.40284729
-0.29026794
0.69302368
0.55033875
-0.11163330
0.

0.49809265
-0.66207886
-0.62921143
0.83441162
0.30638123
-0.36967468
0.

0.46978760
0.
-0.66439819
0.26046753
-0.36967468
-0.62979126
0.

COMPONENT 52. 1 G-WEIGHTS

0.37419128	0.0738525
0.48355103	0.61535645
-0.46364444	-0.47296143
-0.44687941	0.28089905
0.33496094	0.82910156
-0.36643982	-0.64377136
-0.67377136	-0.57325745

0.65867615
0.51051331
-0.56397681
0.07412720
0.50175476
-0.57325745
0.

0.38114929
-0.46040344
-0.5736877
0.86906433
0.56826782
-0.36643982
0.

0.47006226
-0.56040955
-0.48916626
0.54171753
-0.36643982
-0.36643982
0.

COMPONENT 53. 1 G-WEIGHTS

0.51521301	0.48289490
0.44058533	0.47845459
-0.54709142	-0.49667358
-0.49624634	0.53283691
0.27714534	0.57185364
-0.42549133	-0.42549133
-0.42549133	-0.28718567

0.48991394
0.51200867
-0.53230335
0.53283691
0.66897583
-0.62643433
0.

0.52507019
-0.37104797
-0.50068665
0.09649658
0.80746149
-0.86178589
0.

0.50581360
-0.50653076
-0.54846101
0.51255748
-0.52261353
-0.42549133
0.

COMPONENT 54. 1 G-WEIGHTS

0.44273213	0.60935974
0.44581604	0.54011536
-0.52586165	-0.48521423
-0.52690125	0.00929260
0.57055667	0.69018191
-0.47451355	-0.56037903
-0.47451355	-0.57451355

0.59046936
0.44694519
-0.44760986
0.77395630
0.40066528
-0.27011536
0.

0.48138428
-0.40832520
-0.52510071
0.85543823
0.02366638
-0.56037903
0.

0.44293213
-0.52607727
-0.51487732
0.67601013
-0.57951355
-0.37637329
0.

COMPONENT 55. 1 G-WEIGHTS

0.39390564	0.38415527	0.67710876	0.44802856	0.46046448
0.56871033	0.65138245	0.41622925	-0.48667908	-0.41094971
-0.50958252	-0.55599976	-0.53990173	-0.52754211	-0.54981995
-0.41946411	0.10173035	0.60934448	0.65393066	0.64729309
0.48387146	0.47375488	0.51832581	0.51170349	-0.47810364
-0.47810364	-0.43354797	-0.44017029	-0.61019897	-0.60359192
-0.47810364	-0.47810364	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.47967529	0.48255920	0.54127502	0.53877258	0.49092102
0.46977234	0.53877258	0.45823669	-0.46003773	-0.45529175
-0.53045354	-0.53278760	-0.59617615	-0.45841980	-0.47355652
-0.49372464	0.73141479	0.21870422	0.25338745	0.30010986
0.73181030	0.76609802	0.71505737	0.25338745	-0.80001831
-0.36869812	-0.36869812	-0.41977351	-0.88145447	-0.36869812
-0.41972351	-0.37294006	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.39741516	0.39741516	0.39741516	0.53785706	0.49757385
0.57231140	0.73820496	0.46176147	-0.45210266	-0.65147400
-0.64898482	-0.12065125	-0.49920984	-0.65147400	-0.36920166
-0.61286926	0.88386536	0.22695923	0.53013611	0.88386536
0.25024414	0.02777100	0.35768127	0.83943176	-0.28457642
-0.73501587	-0.73501587	-0.01666260	-0.73501587	-0.73501587
-0.73501587	-0.02366638	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.46232605	0.64993286	0.49775696	0.52014160	0.46102905
0.47109985	0.47694397	0.46075439	-0.52740479	-0.52604675
-0.57340698	-0.39045715	-0.57305603	-0.52659607	-0.51914978
-0.46382141	0.72332764	0.31031799	0.75329590	0.35997009
0.45941162	0.35997009	0.31031799	0.72332764	-0.48712158
-0.60627747	-0.50680542	-0.19325556	-0.48712158	-0.60627747
-0.50680542	-0.60627747	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52107239	0.45381165	0.50556946	0.46632495	0.48666387
0.52479553	0.50164795	0.54208374	-0.47709656	-0.48143005
-0.48881858	-0.50044250	-0.55369568	-0.49197388	-0.52980042
-0.47709656	0.54338074	0.44950867	0.63792419	0.54403687
0.32183838	0.41571045	0.54403687	0.54338074	-0.73710632
-0.42092896	-0.42092896	-0.51487732	-0.42092896	-0.64317322
-0.42092896	-0.42092896	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.51393127	0.47985840	0.67858887	0.44538879	0.44676208
0.44541768	0.54776001	0.44206238	-0.20831299	-0.58139038
-0.42140198	-0.58216858	-0.58262634	-0.57170105	-0.47315979
-0.57920817	0.14512634	0.60215759	0.79191589	0.60098267
0.40752847	0.29162598	0.67553711	0.48468018	-0.34005717
-0.60623169	-0.60287476	-0.60623169	-0.60623169	-0.22230530
-0.41313171	-0.60287476	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.41908264	0.38873291	0.45129395	0.42454579
0.45317078	0.41395569	0.44917297	-0.54669189	-0.50003052
-0.54243469	-0.49453735	-0.50881958	-0.51116943	-0.43968201
-0.45660400	0.62467957	0.68612671	0.68612671	0.34611511
0.62467957	0.68612671	0.34611511	0.	-0.46011353
-0.41720581	-0.71267700	-0.46011353	-0.46011353	-0.46011353
-0.56953430	-0.46011353	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.48191833	0.46641541	0.45121765	0.48191833	0.46043396
0.67094421	0.48191833	0.50518799	-0.52595520	-0.31311035
-0.53309631	-0.56083679	-0.40011597	-0.53588867	-0.56198120
-0.56896973	0.55180664	0.47279358	0.49647522	0.62551880
0.60180664	0.60180664	0.47279358	0.12698364	-0.45457458
-0.58360291	-0.55989075	-0.45457458	-0.45457458	-0.45457458
-0.45457458	-0.58360291	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.35890198	0.54937744	0.98133850	0.35368347	0.35568237
0.49456787	0.38252258	0.52389526	-0.54727173	-0.54716492
-0.54597473	-0.46509033	-0.52082825	-0.43244934	-0.47470093
-0.52647400	0.15406799	0.90615845	0.16697693	0.93072510
0.31347656	0.32638550	0.32638550	0.87577820	-0.52777100
-0.51513672	-0.51513672	-0.52777100	-0.52777100	-0.52777100
-0.51513672	-0.34346008	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.48358154	0.45448303	0.41594360	0.43594360	0.61050415
0.44259644	0.50505066	0.185120	-0.56985474	-0.66047664
-0.66047668	-0.60299683	-0.31690979	-0.61080933	-0.57844543
0.	0.80799866	0.	0.80799866	0.80799866
0.	0.	0.80799866	0.76797485	-0.63932800
0.	-0.68032817	-0.68032817	-0.63932800	0.
-0.68032817	-0.68032817	0.	0.	0.

COMPONENT 65.1 G-WEIGHTS

0.41416731	0.55018616	0.44830327	0.68307495	0.44752502
0.37863159	0.44116211	0.63891711	-0.38455200	-0.40699768
-0.55462546	-0.59133911	-0.52456665	-0.37411449	-0.63787842
-0.52587891	0.46017446	0.27378845	0.71040344	0.77108765
0.46334839	0.50251770	0.56317139	0.25547791	-0.44581604
-0.38517761	-0.69285583	-0.44581604	0.	-0.69285583
-0.44581604	-0.44581604	0.	0.	0.

COMPONENT 66.1 G-WEIGHTS

1.00000000	0.61386108	0.40252486	0.31974792	0.36985779
0.47505188	0.41145325	0.40747070	-0.53321838	-0.50575256
-0.47717285	-0.52362061	-0.47334290	-0.55451965	-0.41940308
-0.51293945	0.04997253	0.93716431	0.93716431	0.01608776
0.15527344	0.15527344	0.81185913	0.93716431	-0.63357544
-0.79254150	0.	-0.63357544	-0.63357544	0.
-0.63357544	-0.67314148	0.	0.	0.

COMPONENT 67.1 G-WEIGHTS

0.37203479	0.33862305	0.35684204	0.49186707	0.70535278
0.53431762	0.38186646	0.81887817	-0.50457764	-0.57729614
-0.51850891	-0.50027466	-0.32292175	-0.48698425	-0.57461948
-0.51959229	0.24417114	0.75148010	0.75148010	0.75148010
0.60829163	0.35481262	0.33447754	0.19876099	-0.44042969
-0.44042969	-0.31585693	-0.44042969	-0.44042969	-0.59463501
-0.74789273	-0.57994080	0.	0.	0.

COMPONENT 68.1 G-WEIGHTS

0.49963179	0.55377197	0.49876404	0.49035645	0.48881531
0.49174500	0.43047852	0.48631287	-0.49017334	-0.50077820
-0.49598694	-0.50971985	-0.50152588	-0.50366711	-0.49377935
-0.51046753	0.65937805	0.38896179	0.29228210	0.65937805
0.37371826	0.30749512	0.65937805	0.65937805	-0.62612911
-0.54464722	-0.61088562	-0.25904846	-0.54464722	-0.52940369
-0.62612915	-0.25904846	0.	0.	0.

COMPONENT 69.1 G-WEIGHTS

0.43220520	0.66558838	0.40783691	0.37509155	0.74247742
0.41558838	0.50135803	0.45980835	-0.51419556	-0.58573914
-0.58413696	-0.28466797	-0.37303167	-0.55725098	-0.5535835
-0.54235840	0.04110718	0.02742004	0.91552734	0.44140625
0.81112671	0.91552734	0.43695068	0.41088667	-0.46687317
-0.86349487	-0.44218445	-0.24307251	-0.46687317	-0.80749512
-0.24307251	-0.46687317	0.	0.	0.

COMPONENT 70.1 G-WEIGHTS

0.49238566	0.51243541	0.49845886	0.54463359	0.49238566
0.49388123	0.47355652	0.49238586	-0.55456543	-0.51416016
-0.49688884	-0.54745483	-0.55271912	-0.55456543	-0.57963562
-0.20016479	0.71913147	0.20489502	0.28085327	0.79512024
0.74451735	0.23028564	0.25546265	0.76968384	-0.08795168
-0.60220337	-0.55163574	-0.55163574	-0.55163574	-0.55163574
-0.55163574	-0.55163574	0.	0.	0.

COMPONENT 71.1 G-WEIGHTS

0.53567505	0.52192578	0.49940491	0.49780273	0.51188660
0.52169400	0.43237305	0.47720137	-0.46163940	-0.53921509
-0.48698425	-0.47489929	-0.53767395	-0.48832703	-0.48898868
-0.52133179	0.61013794	0.29566956	0.28776550	0.31123352
0.64871216	0.62521362	0.63311768	0.58802795	-0.74978638
-0.39028931	-0.43533325	-0.1377758	-0.74978638	-0.39028931
-0.43533325	-0.43533325	0.	0.	0.

COMPONENT 72.1 G-WEIGHTS

0.51118469	0.49598694	0.56300354	0.49890137	0.44505310
0.43487549	0.55496216	0.49598694	-0.40296936	-0.52685547
-0.54494817	-0.53533936	-0.50205994	-0.60020447	-0.53533936
-0.35220337	0.04901123	0.71838179	0.71376038	0.36398841
0.36863708	0.59851074	0.59382629	0.59382629	-0.17807007
-0.52777100	-0.48840332	-0.48840332	-0.48840332	-0.49305725
-0.48840332	-0.48840332	0.	0.	0.

COMPONENT 1.2 G-WEIGHTS

0.40000000	-0.50000000	0.	0.61903381	0.52355957
0.54240417	0.62794495	0.71353149	0.87489319	0.50292969
0.44673157	0.11240823	0.96160889	0.52807617	0.58212280
0.29371643	1.00000000	1.00000000	0.98229980	0.13026628
0.	0.13961792	0.33850098	0.65414429	0.
0.50745991	0.68610774	0.06173980	0.59544373	0.38560486
0.00067139	0.77244568	0.61322621	1.00000000	1.00000000
0.13343567	0.20893880	0.80551147	1.00000000	0.43420410
0.28662213	1.00000000	1.00000000	0.	0.37899780
0.58613154	0.	0.73533630	0.45520020	0.99324036
1.00000000	0.47239685	0.98320007	0.38232422	0.
0.52851868	0.02680098	1.00000000	0.	0.99302673
0.13768005	0.	0.24247767	0.03936768	-0.53996277
-0.66187939	-0.54563232	-0.52718573	-0.13543701	-0.91676331
-0.53274536	-0.57214734	-0.46377319	-0.66320801	0.
-0.94779988	-0.44944768	-0.76463318	-0.94587708	-0.46818542
-0.91754150	-0.31880352	-0.47219312	-0.82513628	-0.54488586
-0.44554138	-0.44953735	-0.47434336	-0.94779988	0.
-0.87749638	-0.21610369	-0.75578310	0.43263745	0.54502869
-0.161394787	-0.73735271	0.63147775	-0.45428667	0.83959961
-0.12800294	-0.64475037	-0.66825886	-0.61758423	0.64505006
-0.54489567	0.88966531	0.	0.45444422	-0.36510527
0.72114576	0.35453101	0.48777798	-0.74212752	-0.72600828
0.54267345	0.49115678	-0.29641124	0.	0.04212952
-0.14212752	0.	0.24193717	0.84417888	0.65403748
-0.13483504	0.	0.	0.	0.

COMPONENT 2.2 G-WEIGHTS

0.50000000	-0.50000000	0.79731750	0.	0.09835815
0.	0.14979553	0.20027161	0.14599609	0.
0.	0.75440979	0.34326177	0.58903503	0.
0.53344727	0.55513000	0.60548401	0.	0.89759827
0.87940979	0.98994446	0.94822693	0.30314636	0.73352666
0.95108032	0.63440857	0.87940979	0.04093933	0.42070007
0.94822693	0.92401123	0.64549255	0.89759827	0.
0.61723328	0.51843262	0.	0.94822693	0.11547852
0.79121399	0.	0.94822693	0.	0.42091370
0.89759827	0.98994446	0.88417053	0.	0.66421997
0.	0.71731567	0.18914795	0.	0.75589388
0.	0.85383179	0.82771301	0.07591248	0.66432190
0.44815063	0.90269470	0.34585571	0.36192322	0.88629150
-0.99967957	-0.80825806	-0.87875366	0.92401123	-0.23315430
-0.87966919	-0.04211426	-0.41293335	-0.92979431	-0.84419250
-0.49475098	-0.25395203	-0.99967957	-0.95257957	-0.98287964
-0.04211426	-0.64462280	-0.30195618	-0.65083313	-0.11947444
0.	-0.04211426	-0.60095215	-0.34999084	-0.14451599
-0.06835938	-0.13021851	-0.14451599	-0.56823730	-0.10925293
-0.99967957	-0.30944824	-0.07728577	-0.99967957	-0.26329041
-0.22172546	-0.35037231	-0.86589050	-0.99967957	-0.99967957
-0.04211426	-0.58891296	-0.21524048	-0.99967957	-0.99967957
-0.99967957	-0.99967957	-0.11645508	-0.99967957	-0.12818909
-0.99967957	-0.07728577	-0.44407654	0.	-0.07728577
-0.43458557	-0.48637390	-0.41268921	-0.89222717	-0.19941711
-0.14451599	0.	0.	-0.93696594	-0.04211426

MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35817437
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.61771074
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87724711
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.87724711

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8194884
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1010528	18. 1	0.1003260	19. 1	0.	20. 1	0.
21. 1	0.5929533	22. 1	0.7826757	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7902155	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4320761	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3672326	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5929723	58. 1	0.1396624	59. 1	0.	60. 1	0.1344327
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5761901
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0195116	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.01951
 SUM NO. 2 IS 0.

*** 61 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48307796
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00505014
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52702232
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26603623
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.26603623

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1226479	4. 1	0.5404186	5. 1	0.
6. 1	0.7805648	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8019515
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.5131714	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0528641	28. 1	0.2044394	29. 1	0.0717395	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7195730
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2220883	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1056129	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.5313574
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.70515406
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.10287704
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89143853
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95215778
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.87679815
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.87679815

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3741974	2. 2	0.6699236	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.37420								
SUM NO. 2 IS	0.66992								

*** 62 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11294673
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23703223
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36111774
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.29907499
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.29907499

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0. 0	2. 1	0. 0	3. 1	0. 0	4. 1	0. 0	5. 1	0. 0
6. 1	0. 0	7. 1	0. 0	8. 1	0. 0	9. 1	0.8849361	10. 1	0.5140450
11. 1	0. 0	12. 1	0. 0	13. 1	0. 0	14. 1	0.1509262	15. 1	0. 0
16. 1	0.3357891	17. 1	0.3641726	18. 1	0.0125391	19. 1	0. 0	20. 1	0. 0
21. 1	0.0334644	22. 1	0. 0	23. 1	0. 0	24. 1	0. 0	25. 1	0. 0
26. 1	0.1735602	27. 1	0. 0	28. 1	0.4276836	29. 1	0. 0	30. 1	0. 0
31. 1	0.3326684	32. 1	0. 0	33. 1	0. 0	34. 1	0. 0	35. 1	0. 0
36. 1	0. 0	37. 1	0.3793367	38. 1	0. 0	39. 1	0.0136273	40. 1	0. 0
41. 1	0. 0	42. 1	0. 0	43. 1	0. 0	44. 1	0.0776192	45. 1	0. 0
46. 1	0. 0	47. 1	0.0486981	48. 1	0. 0	49. 1	0. 0	50. 1	0. 0
51. 1	0.4694936	52. 1	0. 0	53. 1	0. 0	54. 1	0. 0	55. 1	0. 0
56. 1	0. 0	57. 1	0. 0	58. 1	0. 0	59. 1	0.0129147	60. 1	0. 0
61. 1	0. 0	62. 1	0. 0	63. 1	0. 0	64. 1	0. 0	65. 1	0.2623674
66. 1	0. 0	67. 1	0.0124645	68. 1	0. 0	69. 1	0. 0	70. 1	0.3832059
71. 1	0. 0	72. 1	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.96200275
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.23106138
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.86550069
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.18275034
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.52412552
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.35343793
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.35343793

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0626476	2. 2	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	1.06270								
SUM NO. 2 IS	0. 0								

*** 63 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43367051
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49759207
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.54111163
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26425286
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.26425786

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6868979	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6003018
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0118176	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0103176	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.7050572	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.7583191
46. 1	0.4114755	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2707949
51. 1	0.6768823	52. 1	0.4507750	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.7244560	68. 1	0.	69. 1	0.6088493	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.16436063
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.32872127
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.32872127

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.00000

*** 64 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000064 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06782120
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.23027707
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.64904664
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.35843193
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.21312758
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28578076
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32210734
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.32210734

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0831299	2. 1	0.2495119	3. 1	0.3008617	4. 1	0.0593282	5. 1	0.
6. 1	0.0342653	7. 1	0.	8. 1	0.	9. 1	0.3681388	10. 1	0.2384678
11. 1	0.0596045	12. 1	0.	13. 1	0.	14. 1	0.1315851	15. 1	0.0782590
16. 1	0.2311660	17. 1	0.	18. 1	0.1192173	19. 1	0.	20. 1	0.1783085
21. 1	0.	22. 1	0.	23. 1	0.0568076	24. 1	0.3714395	25. 1	0.
26. 1	0.0842589	27. 1	0.	28. 1	0.	29. 1	0.1365009	30. 1	0.1424525
31. 1	0.0861796	32. 1	0.	33. 1	0.	34. 1	0.1416027	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1214049	42. 1	0.1982459	43. 1	0.1495701	44. 1	0.0988512	45. 1	0.0912630
46. 1	0.1033704	47. 1	0.1033558	48. 1	0.	49. 1	0.0359876	50. 1	0.1125644
51. 1	0.	52. 1	0.0447025	53. 1	0.0129104	54. 1	0.	55. 1	0.0192107
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0262750	60. 1	0.
61. 1	0.1978395	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0675351
66. 1	0.	67. 1	0.3284317	68. 1	0.	69. 1	0.1002505	70. 1	0.
71. 1	0.0157817	72. 1	0.0320543	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0593695	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.05937

*** 65 INPUT M5 IDENTIFICATION INCORRECT
 MINPS=000000000004 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.86099309
 ** CONTROL=000000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.03466320
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.62149826
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.91491579
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.56162456
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38497895
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.47330175
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42914036
 ** CONTROL=00000000007
 10 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.42914036

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1672027	2. 1	0.1232721	3. 1	0.1578461	4. 1	0.1397897	5. 1	0.
6. 1	0.1361624	7. 1	0.	8. 1	0.0277917	9. 1	0.2749674	10. 1	0.1232333
11. 1	0.1124650	12. 1	0.1260543	13. 1	0.0968052	14. 1	0.0867800	15. 1	0.0706643
16. 1	0.0634183	17. 1	0.0881742	18. 1	0.0988715	19. 1	0.	20. 1	0.0783448
21. 1	0.	22. 1	0.	23. 1	0.1567781	24. 1	0.0845679	25. 1	0.0989996
26. 1	0.1879277	27. 1	0.	28. 1	0.	29. 1	0.0569385	30. 1	0.1200550
31. 1	0.1664563	32. 1	0.	33. 1	0.	34. 1	0.1513243	35. 1	0.
36. 1	0.	37. 1	0.0426885	38. 1	0.	39. 1	0.	40. 1	0.0259966
41. 1	0.0837860	42. 1	0.0848195	43. 1	0.1353941	44. 1	0.1146442	45. 1	0.1661297
46. 1	0.1195387	47. 1	0.1156511	48. 1	0.	49. 1	0.0894727	50. 1	0.0996795
51. 1	0.	52. 1	0.0864617	53. 1	0.1216749	54. 1	0.	55. 1	0.1132544
56. 1	0.0900333	57. 1	0.	58. 1	0.	59. 1	0.1072379	60. 1	0.
61. 1	0.2252344	62. 1	0.	63. 1	0.0396087	64. 1	0.	65. 1	0.1217613
66. 1	0.	67. 1	0.1216187	68. 1	0.0359474	69. 1	0.1225255	70. 1	0.
71. 1	0.1135442	72. 1	0.1222143	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.26687662
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88343832
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.88343832

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1810251	2. 2	0.7781097	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.18103								
SUM NO. 2 IS	0.77811								

*** 66 INPUT M5 NOTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.57569052
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.53090078
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.50850591
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.50850591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2439471	2. 1	0.0978345	3. 1	0.0711136	4. 1	0.0872511	5. 1	0.
6. 1	0.0891580	7. 1	0.	8. 1	0.0872758	9. 1	0.2507827	10. 1	0.1007637
11. 1	0.0798413	12. 1	0.0703224	13. 1	0.0448942	14. 1	0.0845951	15. 1	0.0664171
16. 1	0.0961617	17. 1	0.0939266	18. 1	0.0862830	19. 1	0.0698302	20. 1	0.0793310
21. 1	0.	22. 1	0.	23. 1	0.1388409	24. 1	0.0965568	25. 1	0.0894890
26. 1	0.1435727	27. 1	0.	28. 1	0.	29. 1	0.0780787	30. 1	0.0907808
31. 1	0.0526484	32. 1	0.0621778	33. 1	0.	34. 1	0.0975614	35. 1	0.
36. 1	0.	37. 1	0.0703791	38. 1	0.	39. 1	0.	40. 1	0.0863048
41. 1	0.0662236	42. 1	0.1072432	43. 1	0.0950122	44. 1	0.1138047	45. 1	0.1245276
46. 1	0.0950046	47. 1	0.1244801	48. 1	0.	49. 1	0.0785646	50. 1	0.0635574
51. 1	0.0411652	52. 1	0.0815694	53. 1	0.0905789	54. 1	0.	55. 1	0.0894337
56. 1	0.0711240	57. 1	0.	58. 1	0.	59. 1	0.1009249	60. 1	0.
61. 1	0.1604260	62. 1	0.	63. 1	0.0819606	64. 1	0.	65. 1	0.0941385
66. 1	0.	67. 1	0.0943590	68. 1	0.0724514	69. 1	0.1192338	70. 1	0.
71. 1	0.0932221	72. 1	0.0862318	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.18537143
 ** CONTROL=00100000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.94268573
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.17134288
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83567145
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.00350777
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.91948931
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.91958931

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.572093	2. 2	0.4240527	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.57209								
SUM NO. 2 IS	0.42405								

*** 67 INPUT M5 IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39390813
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87978290
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36565767
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12272029
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.12272029

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.4738061	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3769263	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.8707113	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.7362751	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.6421934	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8295611
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.0734648
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2841470	64. 1	0.	65. 1	0.1579910
66. 1	0.	67. 1	0.6414612	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.32904133
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.91452067
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.12178099
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.12178099

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0020080	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00201								

*** 68 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.02281575
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.07268353
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.07268353

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1738322	2. 1	0.1306314	3. 1	0.1779812	4. 1	0.	5. 1	0.2907663
6. 1	0.6560995	7. 1	0.	8. 1	0.3413848	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.1118974	13. 1	0.	14. 1	0.	15. 1	0.1814771
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1400951
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.1573623	28. 1	0.	29. 1	0.	30. 1	0.1226384
31. 1	0.	32. 1	0.	33. 1	0.0135485	34. 1	0.2101440	35. 1	0.4723375
36. 1	0.1571879	37. 1	0.	38. 1	0.	39. 1	0.0895220	40. 1	0.
41. 1	0.	42. 1	0.2220686	43. 1	0.	44. 1	0.	45. 1	0.1133019
46. 1	0.0788149	47. 1	0.0433868	48. 1	0.	49. 1	0.	50. 1	0.1961429
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1674766	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7095772	67. 1	0.	68. 1	0.	69. 1	0.0095387	70. 1	0.
71. 1	0.	72. 1	0.0466897	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37453232
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.74918467
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.56188850
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.65553658
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.25553634

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.00000000	2. 2	0.0463437	3. 3	0.00000000	4. 4	0.00000000
SUM NO. 1 IS	0.00000000						
SUM NO. 2 IS	0.0463437						

*** 69 INPUT NO IDENTIFICATION CORRECT
 MINPS=000000000014 NCYES=000000000014 INEICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45950407
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02955212
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.59959921
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31457567
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17208390
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24331478
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24331478

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.00000000	2. 1	0.3134159	3. 1	0.00000000	4. 1	0.00000000
6. 1	0.00000000	7. 1	0.00000000	8. 1	0.00000000	9. 1	0.00000000
11. 1	0.00000000	12. 1	0.5507896	13. 1	0.00000000	14. 1	0.1786327
16. 1	0.00000000	17. 1	0.00000000	18. 1	0.00000000	19. 1	0.00000000
21. 1	0.00000000	22. 1	0.00000000	23. 1	0.00000000	24. 1	0.00000000
26. 1	0.00000000	27. 1	0.00000000	28. 1	0.00000000	29. 1	0.00000000
31. 1	0.3939050	32. 1	0.00000000	33. 1	0.00000000	34. 1	0.00000000
36. 1	0.2007747	37. 1	0.00000000	38. 1	0.00000000	39. 1	0.00000000
41. 1	0.00000000	42. 1	0.00000000	43. 1	0.1723226	44. 1	0.2329703
46. 1	0.00000000	47. 1	0.00000000	48. 1	0.00000000	49. 1	0.00000000
51. 1	0.00000000	52. 1	0.00000000	53. 1	0.00000000	54. 1	0.2158608
56. 1	0.00000000	57. 1	0.00000000	58. 1	0.00000000	59. 1	0.00000000
61. 1	0.00000000	62. 1	0.7141972	63. 1	0.2177617	64. 1	0.00000000
66. 1	0.00000000	67. 1	0.00000000	68. 1	0.00000000	69. 1	0.00000000
71. 1	0.00000000	72. 1	0.00000000	73. 1	0.00000000	74. 1	0.00000000

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.47289456
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.94578916
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.94578916

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.00000000	2. 2	1.00000000	3. 2	0.00000000	4. 2	0.00000000
SUM NO. 1 IS	0.00000000						
SUM NO. 2 IS	1.00000000						

*** 70 INPUT NO IDENTIFICATION CORRECT
 MINPS=000000000014 NCYES=000000000014 INEICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.10454712
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58998166
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87541620
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16085075
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01613348
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94677484
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.94677484

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.00000000	2. 1	0.00000000	3. 1	0.00000000	4. 1	0.00000000
6. 1	0.00000000	7. 1	0.00000000	8. 1	0.00000000	9. 1	0.00000000
11. 1	0.00000000	12. 1	0.00000000	13. 1	0.00000000	14. 1	0.00000000
16. 1	0.00000000	17. 1	0.00000000	18. 1	0.00000000	19. 1	0.00000000
21. 1	0.00000000	22. 1	0.00000000	23. 1	0.00000000	24. 1	0.00000000
26. 1	0.00000000	27. 1	0.9091551	28. 1	0.00000000	29. 1	0.00000000
31. 1	0.00000000	32. 1	0.00000000	33. 1	0.00000000	34. 1	0.00000000
36. 1	0.8638425	37. 1	0.00000000	38. 1	0.00000000	39. 1	0.00000000
41. 1	0.00000000	42. 1	0.00000000	43. 1	0.00000000	44. 1	0.00000000
46. 1	0.00000000	47. 1	0.00000000	48. 1	0.00000000	49. 1	0.00000000
51. 1	0.00000000	52. 1	0.00000000	53. 1	0.00000000	54. 1	0.00000000
56. 1	0.00000000	57. 1	0.00000000	58. 1	0.00000000	59. 1	0.00000000
61. 1	0.00000000	62. 1	0.00000000	63. 1	0.00000000	64. 1	0.00000000
66. 1	1.0348460	67. 1	0.00000000	68. 1	0.00000000	69. 1	0.00000000
71. 1	0.00000000	72. 1	0.00000000	73. 1	0.00000000	74. 1	0.00000000

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.7499791
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.9361377	2. 2	0.	0.	0. C	0.	0.	0. 0	0.	0.
2 IS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

*** 71 INPUT H1 IDENTIFICATION CORRECT
 MINPS=000000000013 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38233471
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17896156
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.97558841
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57727499
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37811829
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47769664
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47769664

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6469429	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5143626
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5996445
31. 1	0.1685954	32. 1	0.1468699	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6419428	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1847987	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4805503	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5798519	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.08296965
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08296965

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.	2. 2	1.0829697	0. 0	0.	0. 0	0.	0. 0	0.	0.
2 IS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

*** 72 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30773818
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.55928855
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.81083871
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.81083871

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1789153	20. 1	0.
21. 1	0.	22. 1	0.7366295	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4434347	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4023685	37. 1	0.	38. 1	0.4099385	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0227444	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0124220	55. 1	0.
56. 1	0.	57. 1	0.7265110	58. 1	0.	59. 1	0.	60. 1	0.1014929
61. 1	0.	62. 1	0.	63. 1	0.5380055	64. 1	1.1826247	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2378065	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.97412200
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.00141242
 ** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.02870283
 ** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.51505122
 ** CONTROL=000000000007

4 BIAS CHANGES

EVAL 2 MS 0.01000000 BIAS = -2.51505762
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 1.0725825 2. 2 0. 0. 0 0. 0. 0. 0. 0. 0. 0. 0. 0.
 SUM NO. 1 IS 1.07258
 SUM NO. 2 IS 0.

*** 73 INPUT M2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38196200
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92485471
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46772742
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19629107
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33200924
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26415016
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.26415016
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
 6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
 11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
 16. 1 0.7720066 17. 1 0. 18. 1 0. 19. 1 0.0388875 20. 1 0.
 21. 1 0. 22. 1 0. 23. 1 0.2016886 24. 1 0.7139267 25. 1 0.
 26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0.4259925 30. 1 0.
 31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 0.
 36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0. 40. 1 0.
 41. 1 0.6247653 42. 1 0.7253634 43. 1 0. 44. 1 0. 45. 1 0.
 46. 1 0. 47. 1 0.7351133 48. 1 0.6718154 49. 1 0. 50. 1 0.
 51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
 56. 1 0. 57. 1 0.0749462 58. 1 0. 59. 1 0. 60. 1 0.
 61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
 66. 1 0. 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.
 71. 1 0. 72. 1 0.2456886 0. 0. 0. 0. 0. 0.
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.09369601
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09369601
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0. 2. 2 1.0936960 0. 0 0. 0. 0 0. 0. 0. 0.
 SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.09370

*** 74 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38599005
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70027988
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01456970
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.01456970
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
 6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.6947230
 11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
 16. 1 0. 17. 1 0.1111168 18. 1 0.0918539 19. 1 0. 20. 1 0.
 21. 1 0.4404655 22. 1 0.6817482 23. 1 0. 24. 1 0. 25. 1 0.
 26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
 31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 0.
 36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0. 40. 1 0.
 41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.
 46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.
 51. 1 0.1595443 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
 56. 1 0. 57. 1 0.5691105 58. 1 0.1051928 59. 1 0. 60. 1 0.0967221
 61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
 66. 1 0. 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.6808722
 71. 1 0. 72. 1 0. 0. 0. 0. 0. 0. 0.
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1.2	1.0886141	2 2	0.	0.	0 0	0.	0.	0 0	0.	0.
2 15	2	1.08861									

*** 75 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYLS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48976134
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02490331
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56004529
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29247430
 ** CONTROL=000000000007
 ** 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.29247430

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 1	0.	0.	2 1	0.	0.	3 1	0.	0.1046274	4 1	0.	0.5991624
6 1	0.	0.7298734	7 1	0.	0.	8 1	0.	0.	9 1	0.	0.
11 1	0.	0.	12 1	0.	0.	13 1	0.	0.	14 1	0.	0.
16 1	0.	0.	17 1	0.	0.	18 1	0.	0.5831514	19 1	0.	0.
21 1	0.	0.	22 1	0.	0.	23 1	0.	0.	24 1	0.	0.
26 1	0.	0.	27 1	0.	0.	28 1	0.	0.1774966	29 1	0.	0.0264028
31 1	0.	0.	32 1	0.	0.	33 1	0.	0.	34 1	0.	0.
36 1	0.	0.	37 1	0.	0.	38 1	0.	0.	39 1	0.	0.
41 1	0.	0.	42 1	0.	0.	43 1	0.	0.	44 1	0.	0.
46 1	0.	0.1835785	47 1	0.	0.	48 1	0.	0.	49 1	0.	0.
51 1	0.	0.	52 1	0.	0.	53 1	0.	0.1178057	54 1	0.	0.
56 1	0.	0.	57 1	0.	0.	58 1	0.	0.	59 1	0.	0.
61 1	0.	0.	62 1	0.	0.	63 1	0.	0.	64 1	0.	0.
66 1	0.	0.	67 1	0.	0.	68 1	0.	0.	69 1	0.	0.
71 1	0.	0.	72 1	0.	0.	0 0	0.	0.	0 0	0.	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.93362999
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.21681499
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.85840750
 ** CONTROL=000000000007
 ** 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.85840750

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 2	0.	0.3376555	2 2	0.	0.6169885	0 0	0.	0.	0 0	0.	0.
1 15	1	0.33766									
2 15	2	0.61649									

*** 76 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYLS=000000000014 INDICT=000000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.13654135
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30859594
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48065053
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39462323
 ** CONTROL=000000000007
 ** 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39462323

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 1	0.	0.	2 1	0.	0.	3 1	0.	0.	4 1	0.	0.
6 1	0.	0.	7 1	0.	0.	8 1	0.	0.	9 1	0.	0.
11 1	0.	0.	12 1	0.	0.	13 1	0.	0.	14 1	0.	0.
16 1	0.	0.3083216	17 1	0.	0.5505735	18 1	0.	0.0011216	19 1	0.	0.1478974
21 1	0.	0.	22 1	0.	0.	23 1	0.	0.	24 1	0.	0.
26 1	0.	0.0665334	27 1	0.	0.	28 1	0.	0.4828728	29 1	0.	0.
31 1	0.	0.3569516	32 1	0.	0.	33 1	0.	0.	34 1	0.	0.
36 1	0.	0.	37 1	0.	0.6384131	38 1	0.	0.	39 1	0.	0.
41 1	0.	0.	42 1	0.	0.	43 1	0.	0.	44 1	0.	0.
46 1	0.	0.	47 1	0.	0.	48 1	0.	0.	49 1	0.	0.
51 1	0.	0.5242543	52 1	0.	0.	53 1	0.	0.	54 1	0.	0.
56 1	0.	0.	57 1	0.	0.	58 1	0.	0.	59 1	0.	0.
61 1	0.	0.	62 1	0.	0.	63 1	0.	0.	64 1	0.	0.
66 1	0.	0.	67 1	0.	0.	68 1	0.	0.	69 1	0.	0.
71 1	0.	0.	72 1	0.	0.	0 0	0.	0.	0 0	0.	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -8.63930893
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.06965446
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.28482720
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.39241359
 ** CONTROL=000000000007
 ** 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.39241359

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9847258	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.98473								
SUM NO. 2 IS	0.								

*** 77 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43928435
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13072556
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.82216677
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47644617
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30358587
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.39001602
 ** CONTROL=000000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.39001602

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.5902853	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6782664
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1078910	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.7432905
46. 1	0.3893268	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1266499
51. 1	0.7184523	52. 1	0.4748273	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6805518	68. 1	0.	69. 1	0.6369320	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.05947460
 ** CONTROL=000000000001
 ** BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.05947460

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0594746	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.05947								

*** 78 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06773186
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.19421899
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.63097538
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34935363
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20854275
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27894819
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.31415090
 ** CONTROL=000000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.31415090

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0974744	2. 1	0.2945051	3. 1	0.274839	4. 1	0.0443349	5. 1	0.
6. 1	0.2521767	7. 1	0.	8. 1	0.1432547	9. 1	0.3879682	10. 1	0.2441345
11. 1	0.0181792	12. 1	0.	13. 1	0.	14. 1	0.0890583	15. 1	0.1537740
16. 1	0.2518773	17. 1	0.0749203	18. 1	0.0924315	19. 1	0.	20. 1	0.1649735
21. 1	0.	22. 1	0.	23. 1	0.0312256	24. 1	0.4073437	25. 1	0.
26. 1	0.0210947	27. 1	0.	28. 1	0.	29. 1	0.1660976	30. 1	0.1289577
31. 1	0.0294885	32. 1	0.	33. 1	0.	34. 1	0.1292569	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0666696	42. 1	0.2409237	43. 1	0.1248431	44. 1	0.0630448	45. 1	0.1299187
46. 1	0.1279053	47. 1	0.0547338	48. 1	0.	49. 1	0.	50. 1	0.2319957
51. 1	0.0195469	52. 1	0.0542568	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1546809	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0361442
66. 1	0.	67. 1	0.2775100	68. 1	0.	69. 1	0.1962578	70. 1	0.
71. 1	0.	72. 1	0.0570766	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.16300330
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.32600661
 ** CONTROL=000000000003
 ** BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.32600661

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0000000	0	0	0.	0	0	0.
1	15	0.									
2	15	1.00000									

*** 79 INPUT MS IDENTIFICATION INCORRECT
 MIN-5=000000000004 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.57483953
 ** CONTROL=000000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.39158642
 ** CONTROL=000000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.29995987
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.75414659
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48123996
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34478664
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41301329
 ** CONTROL=000000000007

9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.41301329

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT					
1	1	0.1619981	2	1	0.0921058	3	1	0.1574847	4	1	0.1365757	5	1	0.
6	1	0.1822764	7	1	0.	8	1	0.1294027	9	1	0.2662513	10	1	0.1383988
11	1	0.0932380	12	1	0.0922145	13	1	0.0309844	14	1	0.0999840	15	1	0.0577970
16	1	0.0377609	17	1	0.1488866	18	1	0.0893246	19	1	0.	20	1	0.0476094
21	1	0.	22	1	0.	23	1	0.1477161	24	1	0.0421508	25	1	0.1247454
26	1	0.1693132	27	1	0.	28	1	0.	29	1	0.0149705	30	1	0.1192003
31	1	0.1614030	32	1	0.	33	1	0.	34	1	0.1587213	35	1	0.
36	1	0.	37	1	0.0985577	38	1	0.	39	1	0.	40	1	0.0425064
41	1	0.1129199	42	1	0.0579886	43	1	0.1344922	44	1	0.0765266	45	1	0.1911256
46	1	0.0831898	47	1	0.1270191	48	1	0.	49	1	0.1012554	50	1	0.0597635
51	1	0.0787970	52	1	0.0936832	53	1	0.1099507	54	1	0.	55	1	0.1012794
56	1	0.0435670	57	1	0.	58	1	0.	59	1	0.0767294	60	1	0.
61	1	0.2149898	62	1	0.	63	1	0.0097747	64	1	0.	65	1	0.1317294
66	1	0.	67	1	0.1333456	68	1	0.	69	1	0.1434976	70	1	0.
71	1	0.0692328	72	1	0.0855158	0	0	0.	0	0	0.	0	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.42574501
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.74215127
 ** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.58404915
 ** CONTROL=000000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.58404915

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.2210455	2	2	0.7321591	0	0	0.	0	0	0.
1	15	0.22109									
2	15	0.73216									

*** 80 INPUT MS IDENTIFICATION INCORRECT
 MINPS=000000000004 NCYCS=000000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=000000000001

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.48611103

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT					
1	1	0.2253934	2	1	0.0901064	3	1	0.0610732	4	1	0.0735541	5	1	0.
6	1	0.0781354	7	1	0.	8	1	0.0981091	9	1	0.2764937	10	1	0.0989141
11	1	0.0699037	12	1	0.0849726	13	1	0.0761446	14	1	0.0752001	15	1	0.0494594
16	1	0.0803073	17	1	0.1506328	18	1	0.0875198	19	1	0.0217592	20	1	0.0801420
21	1	0.	22	1	0.	23	1	0.1050167	24	1	0.0829563	25	1	0.0800747
26	1	0.1328659	27	1	0.	28	1	0.	29	1	0.0834163	30	1	0.059632
31	1	0.0481138	32	1	0.	33	1	0.	34	1	0.0944132	35	1	0.
36	1	0.	37	1	0.1019301	38	1	0.	39	1	0.0030428	40	1	0.0917161
41	1	0.0807045	42	1	0.0986806	43	1	0.0818443	44	1	0.0968594	45	1	0.0959942
46	1	0.0899465	47	1	0.1087520	48	1	0.	49	1	0.0684151	50	1	0.0573403
51	1	0.0600520	52	1	0.0736888	53	1	0.0672673	54	1	0.	55	1	0.0889145
56	1	0.0670627	57	1	0.	58	1	0.	59	1	0.0971555	60	1	0.
61	1	0.1895072	62	1	0.	63	1	0.0843028	64	1	0.	65	1	0.0854725
66	1	0.	67	1	0.0557328	68	1	0.0091381	69	1	0.0772775	70	1	0.0124347
71	1	0.0418211	72	1	0.0936624	0	0	0.	0	0	0.	0	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.11618145
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.80809073
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.80809073

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.6118532	2	2	0.4522841	0	0	0.	0	0	0.
2	15	0.61185									
2	15	0.45228									

*** B1 INPUT H5 IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=000000000014 INDICF=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39626865
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90317564
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41008262
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15662913
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.15662913

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.	2	0.5940373	3	0.	4	0.	5	0.
6	0.	7	0.	8	0.4144495	9	0.	10	0.
11	0.	12	0.	13	0.	14	0.	15	0.
16	0.	17	0.	18	0.	19	0.	20	0.
21	0.	22	0.	23	0.	24	0.	25	0.
26	0.6403726	27	0.	28	0.	29	0.	30	0.
31	0.	32	0.	33	0.	34	0.8040109	35	0.
36	0.	37	0.	38	0.	39	0.8545938	40	0.
41	0.	42	0.	43	0.	44	0.	45	0.
46	0.	47	0.	48	0.	49	0.	50	0.9225735
51	0.	52	0.	53	0.	54	0.	55	0.0181256
56	0.	57	0.	58	0.	59	0.	60	0.
61	0.	62	0.	63	0.2539579	64	0.	65	0.0857423
66	0.	67	0.6253444	68	0.	69	0.	70	0.
71	0.	72	0.	0	0.	0	0.	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.07411356
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.07411356

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	15	0.	2	2	0.9603863	0	0	0.	0	0	0.
2	15	0.									
2	15	0.96039									

*** B2 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=000000000014 INDICF=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.02104196
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.06272620
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.06272620

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.0570708	2	0.0948612	3	0.1008991	4	0.	5	0.2387984
6	0.7931752	7	0.	8	0.5173703	9	0.	10	0.
11	0.	12	0.1386222	13	0.	14	0.	15	0.1465889
16	0.	17	0.	18	0.	19	0.	20	0.1259010
21	0.	22	0.	23	0.	24	0.	25	0.
26	0.	27	0.2569368	28	0.	29	0.	30	0.0948165
31	0.	32	0.	33	0.	34	0.2647223	35	0.4952375
36	0.0619553	37	0.	38	0.	39	0.1206348	40	0.
41	0.	42	0.2670001	43	0.	44	0.	45	0.0291501
46	0.	47	0.	48	0.	49	0.	50	0.1747726
51	0.	52	0.	53	0.	54	0.	55	0.
56	0.	57	0.	58	0.	59	0.	60	0.
61	0.1504250	62	0.	63	0.	64	0.	65	0.
66	0.9016675	67	0.	68	0.	69	0.	70	0.
71	0.	72	0.0056822	0	0.	0	0.	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.13205881
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.26411764
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.26411764

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. C	0.	0. 0	0.
SUM NO. 1 IS	1.000000						
SUM NO. 2 IS	C.						

*** 83 INPUT M6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDICT=000C00000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47922647
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11203447
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.74484247
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42843847
 ** CONTROL=00C000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27023648
 ** CONTROL=00C000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.34933747
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30978698
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30978698

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2700198	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.7006494	13. 1	0.	14. 1	0.1798816	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2752720
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.4167497	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.2283891	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0957948	44. 1	0.3192556	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1809643	55. 1	0.7668499
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.7391454	63. 1	0.271601h	64. 1	0.	65. 1	0.5953793
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.73254769
 ** CONTROL=00C000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.11627384
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.11627384

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0951338	0. C	0.	0. 0	0.
SUM NO. 1 IS	0.						
SUM NO. 2 IS	1.09513						

*** 84 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=00000000014 INDICT=000C00000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30792962
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59987184
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89181407
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18375629
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03778519
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.03778519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.9458931
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.0318145	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.4118694
36. 1	0.8015527	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.8012176	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999999
 ** CONTROL=00C000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT
1. 2	1.0037729	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00377								
SUM NO. 2 IS	C.								

*** 85 INPUT H1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39340509
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17214048
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.95037587
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56125818
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36669934
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46397875
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1	MS	BIAS
1	0.20000000	-1.46397875

CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6987994	12. 1	0.6967407	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5220948
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.6601955
31. 1	0.1688933	32. 1	0.2954127	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6697076	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2611322	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5043914	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6042999	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.10321456
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.20642914
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.20642914

CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 86 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.32393017
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.61540870
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90688723
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19836576
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05262651
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97975688
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.97975688

CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT	CUMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1305377	20. 1	0.
21. 1	0.	22. 1	0.6568108	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.6175841	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.3176814	37. 1	0.	38. 1	0.8289690	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5426584	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.374201H	64. 1	1.0302451	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2567554	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.60765317
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.42942222
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.01878777
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.72435501
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.37157139
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.54796420
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.54796320

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.927492	2	2	0.	3	0	0.	4	0	0.
1	15	0.92749									
2	15	0.									

*** 87 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38478516
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97907306
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57336096
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27621701
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42478898
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35050300
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35050300

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.7533047	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2118257	24. 1	0.6316598	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4476770	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6072162	42. 1	0.6429351	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.7413335	48. 1	0.6098070	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2488751	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.35198745
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.70397493
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.70397493

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0000000	3	0	0.	4	0	0.
1	15	0.									
2	15	1.00000									

*** 88 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39497003
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.74958234
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10419464
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92688450
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01554157
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05986810
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.05986810

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.6313331
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0567116	18. 1	0.1123246	19. 1	0.	20. 1	0.
21. 1	1.0409046	22. 1	0.6411989	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7281598	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3240845	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.0482034	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.6539315	58. 1	0.1449254	59. 1	0.	60. 1	0.0126000
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.6795847
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49992999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49992996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49992988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49992991
 ** CONTROL=000000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01010000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0835390	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.08354								
SUM NO. 2 IS	C.								

*** 89 INPUT M3 IDENTIFICATION CORRECT
 MINPS=0000000007 4CYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49424344
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02759849
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56095353
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29427601
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.29427601

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	C.	3. 1	0.1049192	4. 1	0.6638541	5. 1	0.
6. 1	0.7235527	7. 1	C.	8. 1	0.	9. 1	0.	10. 1	0.8623759
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6691743	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	C.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1773851	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.8392694
41. 1	C.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1767067	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1696813	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7209149
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 151.05831146
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 75.77915573
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 38.13957787
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 19.31978893
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 9.90989459
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 5.20494729
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.85247368
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.67623687
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.08811846
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79405426
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.941088P6
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.01460364
 ** CONTROL=000000000007
 13 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.01460364

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5174136	2. 2	0.4857585	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.51741								
SUM NO. 2 IS	0.48576								

*** 90 INPUT V3 IDENTIFICATION INCORRECT.
 NEW G-WEIGHTS FROM RESULT OF INPUT 90

COMPONENT 1. 1 G-WEIGHTS

0.49572754	0.51789356	0.50227356	0.49574280	0.49574280
0.49574280	0.50106812	0.49574280	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48866272	0.48866272	0.48866272	0.51884460
0.48866272	0.48866272	0.51884460	0.51884460	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.94175720	0.29377747	0.39405823	0.53398132	0.29148865
0.29377747	0.31477356	0.97084045	-0.73248251	-0.09651184
-0.73248251	-0.68981334	-0.25378418	-0.57659912	-0.58784485
-0.57659912	0.13090515	0.79019165	0.76808167	0.76361084
0.76361084	0.47003174	0.31576538	0.30358887	-0.40899658
-0.40899658	-0.46661377	-0.48139954	-0.48147583	-0.75715637
-0.75715637	-0.48147583	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.54771423	0.52342224	0.41137695	0.52360535	0.34741211
0.54508972	0.43981628	0.46151733	0.	-0.59771729
-0.42179871	-0.46395874	-0.63740540	-0.87307739	-0.46711731
-0.53378784	0.	0.93627930	0.88073730	0.31192017
0.44883728	0.93890381	0.17320251	0.31008911	-0.34049988
-0.94137573	-0.34049988	-0.39315796	-0.25331116	-0.34049988
-0.39315796	-0.99748230	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.57637024	0.45756531	0.47048950	0.51100159	0.47900391
0.50006104	0.48883057	0.51661657	-0.55284117	-0.26577595
-0.55375562	-0.55654907	-0.60617065	-0.36526489	-0.55548036
-0.54193115	0.56149292	0.57543745	0.58076477	0.34570468
0.31671143	0.53385925	0.54782104	0.53805542	-0.31542969
-0.46594238	-0.46173096	-0.68162537	-0.71069336	-0.45195007
-0.44665527	-0.46594238	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.42193604	0.42021179	0.43431091	0.44500737	0.78868103
0.42021179	0.62593079	0.44367981	-0.49934387	-0.53060913
-0.56488037	-0.40519714	-0.59127808	-0.59147644	-0.51524353
-0.30192566	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.43460083
-0.57424927	0.	-0.66075134	-0.43460083	-0.57424927
-0.66075134	-0.66075134	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.47978210	0.43490601	0.38452148	0.67176819	0.72918701
0.46582031	0.43907678	0.19587708	-0.46739197	-0.70935059
-0.42156982	-0.25367737	-0.55992126	-0.47964478	-0.67872620
-0.42968750	0.62254333	1.00000000	0.19044495	0.46253967
1.00000000	0.19044495	0.07145691	0.46253967	0.
-0.59365845	-0.67727661	-0.35050964	-0.59365845	-0.67727661
-0.97348022	-0.13407898	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

1.00000000	0.74632263	0.61985779	0.30963135	0.31019592
0.41014944	0.30165100	0.30226135	-0.61235046	0.
-0.61502075	-0.61399841	-0.61595154	-0.61624146	-0.31454468
-0.61187744	0.65472417	0.65510559	0.69110107	0.65510559
0.69110107	0.65283203	0.	0.	-0.46145630
-0.51382446	-0.50358582	-0.50149436	-0.50109863	-0.51382446
-0.50358582	-0.50109863	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.41093045	0.38583374	0.50912476	0.41429138	0.42123413
0.62779236	0.80494690	0.42582703	-0.51490784	-0.32489014
-0.59513855	-0.57350159	-0.57238770	-0.28405762	-0.62217712
-0.51289368	0.54763794	0.44902000	0.56622314	0.78088379
0.54763794	0.56622314	0.33367400	0.20863342	-0.50231934
-0.60372925	-0.51043701	-0.50231934	-0.60372925	-0.37855530
-0.38841248	-0.51043701	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.43899536	0.10932007	0.9101505	0.39962769	0.46961975
0.37744141	0.18667603	0.5011414	-0.57423401	-0.14486694
-0.48869324	-0.40940857	-0.5717815	-0.63809204	-0.60389709
-0.56629944	0.95422363	0.00000000	0.09106445	0.95422363
0.09106445	0.80488586	0.00000000	0.92170715	-0.03056335
-0.90827942	-0.52273560	-0.17662048	-0.79350281	-0.52273560
-0.52273560	-0.52273560	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.67359924	0.11657715	1.00000000	0.20068359	1.00000000
0.73780823	0.08830261	0.18299866	-0.55653381	-0.65332031
-0.55560303	-0.59095764	-0.25991821	-0.47494507	-0.31567383
-0.59300232	1.00000000	1.00000000	0.	0.
0.	1.00000000	1.00000000	0.	-0.55556777
-0.91840027	-0.55556777	-0.55123901	0.	-0.29231262
-0.55556777	-0.55123901	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.38771057	0.37635803	0.37492371	0.31814575	0.37443542
0.34545898	1.00000000	0.82293701	-0.56375122	-0.59260559
-0.56875610	-0.57279968	-0.56742859	-0.56472778	0.
-0.57817078	0.60157776	0.60157776	0.57403564	0.60157776
0.60157776	0.52357483	0.49601746	0.	-0.46083069
-0.54441833	-0.57568359	-0.49211121	-0.46083069	-0.46083069
-0.54441833	-0.46083069	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.38549805	0.40046642	0.38102727	0.65147400	1.00000000
0.39743042	0.39703369	0.38703718	0.	-0.21075439
-0.69543611	-0.71188354	-0.71424466	-0.34483337	-0.69110107
-0.61121033	0.	0.	0.75885010	0.52844238
0.66207888	0.75885010	0.62966419	0.66207888	-0.39192200
-0.51636169	-0.64088440	-0.50300650	-0.39192200	-0.50303650

-0.640884-0 -0.39192256 C. 0. C.

COMPONENT 13.1 G-WEIGHTS

0.38859558	0.43837085	0.45407104	0.57931513	0.56211853
0.56958009	0.45001221	0.51390601	-0.54515076	-0.47946167
-0.44331350	-0.53501692	-0.45216170	-0.46234131	-0.59791565
-0.48603889	0.19276428	0.92651367	0.47387675	0.19276428
0.62094461	0.92651367	0.47387675	0.19276428	-0.27606201
-0.70539856	-0.97598267	-0.55804444	-0.27606201	-0.70539856
-0.27515162	-0.25151162	0.	0.	0.

COMPONENT 14.1 G-WEIGHTS

0.53652954	0.39471082	0.66601563	0.48999869	0.48492422
0.46786499	0.47560120	0.48492422	-0.51896667	-0.54953003
0.55209351	-0.37725630	-0.53839111	-0.45954895	-0.47128296
-0.53289745	0.20597839	0.	0.49282202	0.86395264
0.72421446	0.63311766	0.92411204	0.44994600	-0.71212769
-0.54074097	-0.37185669	-0.37185669	-0.71891785	-0.54074097
-0.37185669	-0.37185669	0.	0.	0.

COMPONENT 15.1 G-WEIGHTS

0.34605408	0.31852722	0.54063416	0.88547434	0.34580994
0.31343079	0.91613770	0.33381653	-0.32502747	-0.52209473
-0.56658936	-0.53437805	-0.50949097	-0.53999329	-0.53102112
-0.47135325	0.	0.48818970	0.62802124	0.86221313
0.75697327	0.67472839	0.48418977	0.10166931	-0.45645142
-0.44958446	-0.64090811	-0.49991563	-0.39466380	-0.44958446
-0.64080811	-0.49891663	0.	0.	0.

COMPONENT 16.1 G-WEIGHTS

1.00000000	0.42545918	0.44424434	0.53779602	0.24667358
0.35221078	0.51689966	0.47760173	-0.57078552	-0.59479431
0.	-0.53143311	-0.61436462	-0.53437805	-0.60554504
-0.58865356	0.60319519	0.55468750	0.61396790	0.33963013
0.60319519	0.55468750	0.73057556	0.	-0.45838923
-0.67578125	-0.45389928	-0.40931702	-0.45838923	-0.47578125
-0.40548706	-0.45838928	0.	0.	0.

COMPONENT 17.1 G-WEIGHTS

0.55549622	0.50607300	0.46012878	0.51531982	0.51531982
0.47586223	0.44134521	0.59062439	-0.55155945	-0.47956849
-0.48011140	-0.49577332	-0.56932058	-0.54218445	-0.49604797
-0.48538203	0.04008484	0.47677612	0.04008484	0.74179077
0.96449280	0.96449280	0.04008484	0.73217773	-0.58018494
-0.36347461	-0.00878906	-0.58194494	-0.37072754	-0.58018494
-0.43624878	-0.58018494	0.	0.	0.

COMPONENT 18.1 G-WEIGHTS

0.43995667	0.39457703	0.52827454	0.53189087	0.54496765
0.53100566	0.52175903	0.50752259	-0.54031372	-0.54110714
-0.36659241	-0.27511597	-0.55857849	-0.54191599	-0.60636902
-0.56947681	0.81124878	0.73428345	0.82493591	0.76488206
0.13998413	0.25386047	0.27207947	0.14871521	-0.77488708
-0.43955944	-0.47946167	-0.19574524	-0.26948547	-0.93179321
-0.43955944	-0.47946167	0.	0.	0.

COMPONENT 19.1 G-WEIGHTS

0.43978882	0.44743347	0.40435791	0.41766357	0.70266724
0.38879395	0.43115234	0.76808167	-0.54304504	-0.48838806
-0.50567627	-0.47689819	-0.49395752	-0.47792053	-0.49925232
-0.51406206	0.22799683	0.86212158	0.86212158	0.39477539
0.53240467	0.69535828	0.19720459	0.22799683	-0.54031372
-0.57112122	-0.21057129	-0.70878601	-0.54031372	-0.21057129
-0.67757652	-0.54031372	0.	0.	0.

COMPONENT 20.1 G-WEIGHTS

0.50004578	0.49389648	0.49836731	0.50275830	0.57630920
0.58000183	0.54397583	0.30511475	-0.52293396	-0.57630920
-0.16200256	-0.52313232	-0.54510255	-0.62092590	-0.56155396
-0.57259606	0.65295410	0.57560730	0.57560730	0.30964661
0.64320374	0.57267761	0.24986572	0.37039185	-0.45602417
-0.44908142	-0.72326660	-0.45602417	-0.45602417	-0.44908142
-0.63107300	-0.37934875	0.	0.	0.

COMPONENT 21.1 G-WEIGHTS

0.28929138	0.94622192	0.29217629	0.41452026	1.00000000
0.50389049	0.34906006	0.30482483	-0.60004534	-0.60004534
-0.55847169	-0.59120178	-0.54579163	0.	-0.54714966
-0.55564880	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	0.
-0.69723511	-0.69723511	-0.67544556	0.	-0.61642456
-0.61642456	-0.69723511	0.	0.	0.

COMPONENT 22.1 G-WEIGHTS

0.44285583	0.52442932	0.23751831	0.23751831	1.00000000
0.32284544	0.23751831	0.92726668	-0.55541992	-0.56243896
-0.57649007	0.	-0.57669067	-0.57531736	-0.57669067
-0.57659361	0.24758911	0.92738342	0.92738342	0.43597412
0.	0.17292786	0.92738342	0.36132813	-0.77464294
-0.77464294	-0.77464294	-0.12675476	0.	0.
-0.77464294	-0.77464294	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.46112061	0.45562744	0.46664429	0.74282837	0.41373535
0.46806335	0.47010803	0.48182678	-0.51171875	-0.43643188
-0.49041748	-0.43855286	-0.5996704	-0.51760864	-0.47815918
-0.55711365	0.57701111	0.57701111	0.77603149	0.66552734
0.50146484	0.26957703	0.3194824	0.26138306	-0.55941777
-0.47564697	-0.48387146	-0.48387146	-0.48387146	-0.48387146
-0.48387146	-0.54543223	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.44789124	0.64675903	0.60646057	0.12187195	0.65429688
0.57199097	0.439575	0.47627258	0.	-0.61936951
-0.33049316	-0.58227539	-0.64191101	-0.50549316	-0.51394653
0.7346545	0.	0.74606628	0.42109680	0.38476563
0.74606628	0.79606628	0.47109680	0.38476563	-0.42871094
-0.38127136	-0.38642883	-0.80355835	-0.80355835	-0.42871094
-0.38127136	-0.38642883	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.68489075	0.47874451	0.49287415	0.44958496	0.48052979
0.45523071	0.46844482	0.48966980	-0.55984497	-0.43151855
-0.59001160	-0.53343201	-0.31654358	-0.37908936	-0.57820129
-0.61131287	0.71931458	0.56338975	0.47390747	0.43142700
0.71931458	0.47390747	0.30935669	0.30935669	-0.52189636
-0.47947693	-0.36596680	-0.61141968	-0.65385437	-0.36596680
-0.52189636	-0.47947693	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.49948120	0.49191284	0.46485901	0.49531555	0.60215759
0.43685913	0.48025513	0.52911377	-0.51856995	-0.49922180
-0.44869995	-0.52549744	-0.58001709	-0.52438354	-0.38597107
-0.51760664	0.48768616	0.54397583	0.67094421	0.59472656
0.48768616	0.54397583	0.67094421	0.	-0.51712036
-0.51712036	-0.36857605	-0.46273804	-0.67143250	-0.57725525
-0.51712036	-0.36857605	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.38916016	0.44635010	0.39015198	0.39189148	0.51237488
1.00000000	0.38957214	0.48045349	-0.47595215	-0.52043152
-0.49929810	-0.49554443	-0.51202393	-0.51748657	-0.43241882
-0.54681396	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.70671087
-0.61552429	0.	-0.70671087	-0.61552429	-0.70671087
0.	-0.64878865	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.41578674	0.29663083	0.37747192	0.37345886	0.95203491
0.78961182	0.37747192	0.37747192	-0.61764526	-0.53848267
-0.62609863	0.	-0.61488342	-0.62608337	-0.51541138
-0.46134949	0.92578125	0.07431030	0.	0.91696167
0.92578125	0.11880493	0.0384534	1.00000000	-0.30017090
0.	-0.33406067	-0.75791931	-0.33406067	-0.75791931
-0.75791931	-0.75791931	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.56120728	0.37948608	0.40838623	0.38410950	0.43688965
0.44729614	0.95069885	0.41188049	-0.47390747	-0.22798157
-0.63966370	-0.57037354	-0.55256653	-0.56807368	-0.55819707
-0.40925598	0.66601509	0.39080811	0.76058960	0.81285095
0.51789856	0.53674316	0.13093567	0.18322754	-0.51053284
-0.43374634	-0.43374634	-0.40037537	-0.47646790	-0.65760803
-0.43374634	-0.43374634	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.41519165	0.41464233	1.00000000	0.45834351	0.41053772
0.45246887	0.40525818	0.44352722	-0.62062073	-0.55496216
-0.5516052	0.	-0.47443489	-0.54821777	-0.61334229
-0.61334229	0.	0.	0.76513672	0.44293640
0.52214050	0.76513672	0.74400330	0.74060059	-0.70007324
-0.44120789	-0.44120789	-0.75799441	-0.38584900	-0.44120789
-0.44517517	-0.38584900	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.31187432	0.37968445	0.39979553	0.77078247	0.80944824
0.33309937	0.36659241	0.62866211	-0.61730713	-0.75955200
-0.69534302	-0.27560425	-0.01097107	-0.68418884	-0.44022224
-0.43605042	0.46028137	0.53886613	0.53619575	0.84440613
0.79858464	0.30595398	0.03199768	0.48271179	-0.07373047
-0.47601648	-0.39958191	-0.85791054	-0.64871052	-0.25009155
0.64871052	-0.65078735	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

1.00000000	0.34284025	0.35331726	0.35853154	0.75807190
0.34284025	0.47363445	0.35287864	-0.71623230	-0.44491577
-0.72149658	0.07110432	-0.35942178	-0.32986445	-0.22480774
-0.72880555	0.	0.	0.91156006	0.91156006
0.18217468	0.17152405	0.91156006	0.91156006	-0.38600159
-0.76426637	0.	-0.86609017	-0.75143323	-0.66600037
-0.76426637	0.	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49551064	0.49496460
0.49845886	0.49841309
-0.49510193	-0.51829529
-0.51167188	0.44547190
0.49880961	0.56448453
-0.51136760	-0.50627136
-0.50627136	-0.51136780

0.50529480
0.49357405
-0.50646973
0.44557190
0.56448453
-0.50627136
0.

0.51237488
-0.50984192
-0.44956970
0.45069885
0.45069885
-0.43554688
0.

0.50144958
-0.49949646
-0.51062012
0.56948853
-0.51136780
-0.51136780
0.

COMPONENT 34. 1 G-WEIGHTS

0.5113643	0.42198181
0.42971802	0.64007568
-0.51837158	-0.50889587
-0.49340420	0.75424194
0.70817566	0.49129810
-0.51251221	-0.51832581
-0.66328430	-0.53263855

0.48451233
0.46633911
-0.40930176
0.61779431
0.48225403
-0.30001931
0.

0.51216
-0.50997925
-0.52305603
0.53971863
0.
-0.43652344
0.

0.48988342
-0.52929688
-0.50767517
0.39897156
-0.51832581
-0.51832581
0.

COMPONENT 35. 1 G-WEIGHTS

0.53018188	0.46240071
0.3637695	0.43200684
-0.4811171	-0.47915649
-0.54813171	0.81402588
0.	0.61402588
-0.73013306	-0.73013306
-0.35981750	-0.35981750

0.45811462
0.68818465
-0.43762207
0.
0.
0.
0.

0.45001221
-0.36334229
-0.55015564
0.77894592
0.81402588
-0.73013306
0.

0.44248962
-0.53813171
-0.55526733
0.77894592
-0.73013306
-0.35981750
0.

COMPONENT 36. 1 G-WEIGHTS

0.58016968	0.73490906
0.29555447	0.26670837
-0.72882080	-0.70625305
-0.01402283	0.95248413
0.9148413	0.
-0.7014832	-0.73014832
-0.73014832	-0.65432739

0.98651123
0.48811641
-0.74060059
0.30102539
0.
-0.06166077
0.

0.25975037
-0.71807861
-0.33621216
0.
0.95248413
-0.18168640
0.

0.38914490
-0.42474365
-0.33122253
0.84147644
-0.18168640
-0.73014832
0.

COMPONENT 37. 1 G-WEIGHTS

0.52958679	0.52526855
0.55839539	0.45582581
-0.63438416	0.66833496
-0.42141724	0.40368652
0.62051392	0.03392029
-0.02033447	-0.91471863
-0.91471863	-0.56784058

0.54299927
0.26452637
-0.00048428
0.94186401
0.62051392
-0.56784058
0.

0.64598083
-0.63302612
-0.29271773
0.03392029
0.40368652
-0.49707031
0.

0.47738647
-0.68885803
-0.65618896
0.94186401
-0.49707031
-0.02033997
0.

COMPONENT 38. 1 G-WEIGHTS

0.55278015	0.35856628
0.35906482	0.35856628
-0.65809631	-0.65585327
-0.51811218	0.61206055
0.61215210	0.86926270
-0.64190674	-0.05130005
-0.64190674	-0.64190674

1.00000000
0.47448425
-0.65798950
0.86926270
0.16795349
-0.64190674
0.

0.37141418
-0.65809631
-0.35461426
0.
0.86926270
-0.64190674
0.

0.57507374
-0.01228333
-0.48492432
0.
-0.64183044
-0.09727478
0.

COMPONENT 39. 1 G-WEIGHTS

0.54678145	0.39625549
0.44691467	1.00000000
-0.43849182	-0.45689392
-0.54353333	0.
0.49735718	0.66740417
-0.46917725	-0.47981262
-0.46795654	-0.47981262

0.39968872
0.39416504
-0.46031189
0.59735718
0.65872192
-0.43477356
0.

0.42077637
-0.52053833
-0.54322815
0.61174011
0.
-0.52691650
0.

0.39526367
-0.52926636
-0.50769043
0.66740417
-0.56827205
-0.56827205
0.

COMPONENT 40. 1 G-WEIGHTS

0.42875671	0.73184204
0.50438281	0.56355493
-0.53562427	-0.53561401
-0.53661074	0.46380615
0.58447266	0.53898621
-0.44227600	-0.45690918
-0.46634521	-0.57376049

0.42315674
0.42793274
-0.48292547
0.45675659
0.57046509
-0.45690918
0.

0.43246460
-0.52014160
-0.33441162
0.51794434
0.32853699
-0.57376049
0.

0.46136365
-0.52873230
-0.52648926
0.53898621
-0.48771667
-0.44227600
0.

COMPONENT 41. 1 G-WEIGHTS

0.48339844	0.51676441
0.34849690	0.48716736
-0.5271509	-0.54747314
-0.55259205	0.67517090
0.68077087	0.51605225
-0.41076680	-0.57821655
-0.57821655	-0.62098694

0.48425781
0.51664844
-0.54568481
0.67517090
0.47398376
-0.41204854
0.

0.484945618
-0.52624512
-0.18377686
0.51043701
0.
-0.41076680
0.

0.62055969
-0.53872681
-0.53276067
0.46838379
-0.41076680
-0.57821655
0.

COMPONENT 42. 1 G-WEIGHTS

0.57415771	0.41278008
0.51244772	0.71104321
-0.61194580	0.
0.	0.68176270
0.4176270	0.51014709
-0.51233454	-0.50233454
-0.50233454	-0.33115442

0.42381287
0.52374688
-0.71202187
0.51014709
0.25424194
-0.58533767
0.

0.53506366
-0.62710571
-0.63578796
0.51014709
0.42581780
-0.33015442
0.

0.37637329
-0.63003540
-0.71308899
0.42581780
0.74494460
-0.50233454
0.

COMPONENT 43. 1 G-WEIGHTS

0.79598999	0.34092031	0.42169189	0.33108521	1.00000000
0.35768127	0.39538574	0.35729985	-0.53866577	-0.32530212
-0.46321106	-0.50543567	-0.54219055	-0.52970886	-0.58172607
-0.51321411	0.57477417	0.67477417	0.68688965	0.46011353
0.44491577	0.52923584	0.52923584	0.	-0.44204712
-0.44204712	-0.67164612	-0.44645691	-0.44204712	-0.44204712
-0.67164612	-0.44204712	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.47352600	0.46687317	0.51538086	0.72740173	0.42271423
0.45283508	0.47676086	0.46447754	-0.57020569	-0.44783020
-0.57858276	-0.34289551	-0.51254272	-0.51000977	-0.56312561
-0.47477722	0.39511108	0.	0.64309692	0.81434631
0.41641235	0.48930359	0.51521729	0.70648193	-0.14994812
-0.60592651	-0.56002808	-0.38861084	-0.78678694	-0.56002808
-0.56002808	-0.38861084	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.41215515	0.26156616	0.99298096	0.93980408	0.31295776
0.34460449	0.38362122	0.35227966	-0.72143555	-0.63496399
-0.62907410	-0.63311768	-0.62197876	-0.01609802	-0.72270203
-0.02059937	0.02502441	0.04074097	0.74018860	0.74018860
0.47987366	0.77732849	0.73155212	0.4650.686	-0.34980774
-0.42312512	-0.74636841	-0.34980774	-0.44152832	-0.44152832
-0.82167053	-0.42411804	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.43945313	0.35754395	0.72024536	0.42707825	0.33428955
0.79244995	0.43649292	0.49240112	-0.60197449	-0.49401855
-0.52493286	-0.46612549	-0.34471130	-0.5534363	-0.53282166
-0.48004150	0.30233765	0.	0.84080505	0.84080505
0.54446411	0.57310486	0.62173462	0.27671814	-0.41894531
-0.41894531	-0.41894531	-0.76768494	-0.41894531	-0.41894531
-0.41894531	-0.71856689	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46263123	0.43959045	0.45840454	0.45245361	1.00000000
0.37252808	0.40708923	0.40727234	-0.54017639	-0.46943665
-0.53167725	-0.53599548	-0.50326538	-0.51704407	-0.52824402
-0.37413025	0.	0.62896729	0.67631531	0.71844482
0.62879944	0.62896729	0.71844482	0.	-0.49098206
-0.64620972	-0.47505188	-0.42745972	-0.47505188	-0.52810669
-0.52961731	-0.42745972	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.44386292	0.57754517	0.36439514	0.58287048	0.66940308
0.45185852	0.49050903	0.41950989	-0.38014221	-0.77037048
-0.25239563	-0.82714844	0.	-0.60716248	-0.75407410
-0.40869141	0.	0.67005920	0.65368652	0.67005920
0.75230408	0.73367310	0.52018738	0.	-0.39236457
-0.47770691	-0.47770691	-0.61663708	-0.45948792	-0.47770691
-0.47770691	-0.61663708	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.50604248	0.49557495	0.50254822	0.40103149	0.53643799
0.53227234	0.53225708	0.49378967	-0.54403687	-0.47999573
-0.45726013	-0.53210449	-0.52944946	-0.5575684	-0.47201538
-0.45933533	0.34597778	0.	0.00872803	0.91476440
0.48754883	0.85816956	0.89219666	0.49258423	-0.41383362
-0.37968445	-0.80972290	-0.78115845	-0.41383362	-0.37968445
-0.37968445	-0.44436755	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.50711060	0.51874329	0.46252441	0.25311279	0.87319946
0.78932190	0.86503601	0.24093628	-0.61566162	-0.57518005
-0.55247498	-0.00935364	-0.52764893	-0.58331299	-0.59236145
-0.54397583	0.06365967	0.68138123	0.68138123	0.60021971
0.77088928	0.62825012	0.57417297	0.	-0.48475647
-0.42758179	-0.66006470	-0.42758179	-0.42758179	-0.42758179
-0.66006470	-0.48475647	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.35963440	0.27047729	0.27047729	0.67056274	0.34764099
0.99696350	0.81372070	0.27047729	-0.72039795	-0.00022888
-0.24882507	-0.66702374	-0.23300171	-0.68659973	-0.72190857
-0.72190857	0.25765991	0.76562500	0.82804871	0.25547791
0.25765991	0.82804871	0.78222656	0.02520752	-0.23475647
-0.68890381	-0.68437195	-0.09956360	-0.23475647	-0.68890381
-0.68437195	-0.68437195	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.30740356	0.43817139	0.88789368	0.32174683	0.39872742
0.19910889	0.81466675	0.43179321	-0.46244812	-0.56770325
-0.46659851	-0.47229900	-0.56881824	-0.52545166	-0.49276733
-0.44549561	0.09814453	0.02983093	0.86660767	0.69070435
0.47624207	0.86650767	0.66114807	0.31066895	-0.38429260
-0.38429260	-0.62919617	-0.60218811	-0.38429260	-0.38429260
-0.62919617	-0.60218811	0.	0.	0.

COMPONENT 53.1 G-WEIGHTS

0.50897217	0.47883606
0.44310303	0.48095703
-0.55328364	-0.44555469
-0.44511719	0.53552246
0.25708008	0.59851074
-0.41372681	-0.41372681
-0.41372681	-0.27670288

0.48136907
0.51467896
-0.54383850
0.53552246
0.64468889
-0.66252136
0.

0.53065491
-0.35006714
-0.50552368
0.05671692
0.83166504
-0.89576721
0.

0.51139832
-0.50730896
-0.54925537
0.49026489
-0.51004028
-0.41372681
0.

COMPONENT 54.1 G-WEIGHTS

0.43414307	0.60780334
0.43659646	0.54365845
-0.53070068	-0.45193430
-0.53173428	0.
0.66299438	0.59611511
-0.54983521	-0.53814697
-0.48030090	-0.54983521

0.58108521
0.43812561
-0.49258423
0.78039551
0.42379761
-0.36199622
0.

0.47399902
-0.41363525
-0.52993774
0.80771926
0.
-0.53814697
0.

0.43414307
-0.53091431
-0.51854669
0.72892761
-0.54983521
-0.42587280
0.

COMPONENT 55.1 G-WEIGHTS

0.33551025	0.31738281
0.52343750	0.77444946
-0.51211548	-0.56550598
-0.39651469	0.
0.53117261	0.51747131
-0.48442078	-0.46130371
-0.48442078	-0.48442078

0.90599060
0.35478210
-0.54887190
0.81096191
0.53447449
-0.46475220
0.

0.38728333
-0.49497986
-0.33343201
0.63296509
0.53620911
-0.56983948
0.

0.39613342
-0.39001465
-0.55853271
0.62969971
-0.48442078
-0.56640625
0.

COMPONENT 56.1 G-WEIGHTS

0.48019409	0.48101807
0.46917725	0.53409302
-0.53092457	-0.53086853
-0.49386493	0.72450256
0.75480652	0.75907898
-0.37220764	-0.37220764
-0.42308044	-0.37643433

0.54159546
0.45718384
-0.60140991
0.22576704
0.70819092
-0.42308044
0.

0.53909302
-0.45939636
-0.46096802
0.26034546
0.26034546
-0.87097168
0.

0.49267578
-0.45320129
-0.44940613
0.30693054
-0.78979492
-0.37220764
0.

COMPONENT 57.1 G-WEIGHTS

0.30700684	0.30700684
0.64208984	1.00000000
-0.71253467	0.
-0.68003445	0.92604065
0.36758423	0.
-0.77409363	-0.77409363
-0.77409363	-0.12948608

0.30700684
0.39175415
-0.55688640
0.35308838
0.18162577
0.
0.

0.50741577
-0.50907898
-0.71478271
0.31951904
0.92604065
-0.77409363
0.

0.53768921
-0.71478271
-0.11207581
0.92604065
0.
-0.77409363
0.

COMPONENT 58.1 G-WEIGHTS

0.45283508	0.71661377
0.46157837	0.46742249
-0.53048706	-0.35742188
-0.45443726	0.83909607
0.38520812	0.29081726
-0.26297000	-0.53187561
-0.3187561	-0.62679700

0.48818970
0.45126343
-0.53013611
0.24368286
0.24368286
-0.03088379
0.

0.51051331
-0.53446950
-0.53366089
0.86753845
0.83909607
-0.51319885
0.

0.45153809
-0.53311157
-0.52622986
0.29081726
-0.51319885
-0.62629700
0.

COMPONENT 59.1 G-WEIGHTS

0.52723694	0.45181274
0.53230286	0.49720764
-0.44127197	-0.50292969
-0.47677612	0.54144287
0.32067871	0.40742493
-0.42114258	-0.42114258
-0.42114258	-0.42114258

0.49649048
0.34206848
-0.53477905
0.45469666
0.54905701
-0.50796709
0.

0.46763611
-0.47677612
-0.49302673
0.63583374
0.54144287
-0.42114258
0.

0.48519897
-0.47874097
-0.52618882
0.54905701
-0.73640442
-0.64959717
0.

COMPONENT 60.1 G-WEIGHTS

0.49017334	0.47138977
0.42231750	0.54568481
-0.41882751	-0.59854126
-0.59559631	0.27487183
0.31596375	0.21792603
-0.64564514	-0.64270020
-0.34346008	-0.64270020

0.80606079
0.41879272
-0.54989902
0.53686687
0.72503862
-0.64564514
0.

0.42208862
-0.12696838
-0.58815002
0.81701660
0.50723267
-0.64564514
0.

0.42346191
-0.59776306
-0.45510864
0.60525513
-0.31861877
-0.11555481
0.

COMPONENT 61.1 G-WEIGHTS

1.00000000	0.40805054
0.45416260	0.41371155
-0.57908630	-0.40582275
-0.45603943	0.69444275
0.69444275	0.61833191
-0.45956421	-0.68005371
-0.43577576	-0.48490906

0.38681010
0.46035767
-0.43630981
0.61833191
0.37805176
-0.48490906
0.

0.45223999
-0.60314941
-0.52511597
0.61833191
0.
-0.48490906
0.

0.42465210
-0.52526855
-0.46917725
0.37805176
-0.48490906
-0.48490906
0.

COMPONENT 62.1 G-WEIGHTS

0.44279480	0.42732239
0.44473267	0.44279480
-0.56996155	-0.59764099
-0.60574341	0.59727478
0.59727478	0.59727478
-0.54632568	-0.53318787
-0.47462100	-0.54632568

0.41217041
0.46601468
-0.34059143
0.52854419
0.52854419
-0.47462100
0.

0.44279480
-0.56283569
-0.57273865
0.54115295
0.
-0.47462100
0.

0.42135620
-0.15167236
-0.59877014
0.60989380
-0.47462100
-0.47462100
0.

COMPONENT 63. 1 G-WEIGHTS

0.28030396	0.66612244	1.00000000	0.27101133	0.27911377
0.57829285	0.29954529	0.62557963	-0.58381643	-0.58830261
-0.58293152	-0.23736572	-0.56083670	-0.47789001	-0.40473934
-0.56407166	0.04624517	0.91213987	0.10073853	0.94615173
0.33294678	0.38739014	0.38739014	0.88638660	-0.55807495
-0.50555420	-0.50555420	-0.55807495	-0.55807495	-0.55807495
-0.50555420	-0.25696130	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.45603943	0.42347717	0.40272522	0.40272522	0.80281067
0.4101867	0.48005676	0.62193298	-0.62426758	-0.71160889
-0.71160889	-0.65621948	0.	-0.66372681	-0.63255310
0.	0.79998779	0.	0.79998779	0.79998779
0.	0.	0.79998779	0.79998779	-0.65254211
0.	-0.67372131	-0.67372131	-0.65254211	0.
-0.67372131	-0.67372131	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.28012085	0.59667969	0.32246399	0.97668457	0.32478333
0.25512645	0.31854248	0.42556763	-0.32588196	-0.12576294
-0.53762817	-0.69967651	-0.63143921	-0.26962280	-0.76799011
-0.64195251	0.15060425	0.16177368	0.74386597	0.82897949
0.52436829	0.52641296	0.75706482	0.30691528	-0.47496033
-0.25142261	-0.68659973	-0.47496033	-0.47496033	-0.88659973
-0.47496033	-0.47496033	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	1.00000000	0.65000916	0.15734863	0.21124268
0.47369385	0.2558145	0.25170898	-0.46424866	-0.53825378
-0.51615906	-0.55206299	-0.51319485	-0.57591248	-0.29632568
-0.54379272	0.	0.94776917	0.94776917	0.20889282
0.	0.	0.94776917	0.94776917	-0.73928833
-0.28402710	0.	-0.73928833	-0.73928833	0.
-0.73928833	-0.7581958	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.24960327	0.18167114	0.21694946	0.37622070	1.00000000
0.70993042	0.26557922	1.00000000	-0.51895142	-0.58277539
-0.54035950	-0.51507568	-0.17190552	-0.50320435	-0.60284424
-0.56535339	0.20588684	0.78605652	0.78605652	0.79605652
0.53157043	0.43643188	0.30242920	0.16549683	-0.41755676
-0.41755676	-0.30798096	-0.41755676	-0.41755676	-0.71849060
-0.77305603	-0.47021484	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49923706	0.55229187	0.50248191	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941040	-0.49937439
-0.49449158	-0.51083374	-0.50028992	-0.50572205	-0.48869324
-0.51158142	0.76991772	0.28723145	0.17295817	0.76991272
0.27288818	0.1872	0.76991272	0.76991272	-0.69030762
-0.59031677	-0.6759	-0.09336853	-0.59031677	-0.57598877
-0.64030762	-0.09336853	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.33096313	0.98103333	0.30354409	0.27761841	0.99542236
0.31922413	0.41783142	0.37429810	-0.59962463	-0.70294189
-0.67828369	-0.02650452	-0.08575439	-0.63584900	-0.63662720
-0.63439941	0.02580261	0.88520813	0.88520813	0.54859924
0.86520813	0.88520813	0.54548645	0.19865417	-0.42843628
-0.90473438	-0.40600586	-0.26747131	-0.42843628	-0.86895752
-0.26747131	-0.42843628	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.41789246	0.43844604	0.42355347	0.91566467	0.41773987
0.41914368	0.54568262	0.41783142	-0.64819336	-0.55426025
-0.42979631	-0.64155579	-0.64622498	-0.64872742	-0.43119812
0.	0.93344116	0.12405196	0.	0.93344116
0.93344116	0.14215088	0.	0.93344116	0.
-0.31921387	-0.60972595	-0.61532593	-0.61532593	-0.61532593
-0.60972595	-0.61532593	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53617859	0.52996826	0.44674288	0.49891663	0.51118469
0.52203369	0.43058777	0.47436998	-0.45794678	-0.45897095
-0.48536682	0.47328186	-0.54207798	-0.48669434	-0.48426599
-0.52738451	0.61325073	0.29048157	0.28256226	0.30607605
0.65187073	0.62634167	0.63624575	0.59112549	-0.75602722
-0.38819345	-0.43327332	-0.41168213	-0.75602722	-0.38819885
-0.43327332	-0.43327332	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51147461	0.49482727	0.57307434	0.48672485	0.46121216
0.42746682	0.55561829	0.49418640	-0.2194214	-0.57208252
-0.54577778	-0.57669067	-0.57909302	-0.67294434	-0.57669067
-0.22454034	0.	0.74024761	0.67064411	0.34747314
0.39710249	0.64126587	0.51161377	0.51161377	-0.04910278
-0.46606689	-0.50556946	-0.86256409	-0.50556946	-0.55702201
-0.55702201	-0.55702201	0.	0.	0.

0.34234611	-0.50000000	0.	0.71201790	0.99519348
0.20242449	0.82670532	0.49519348	0.42519348	0.51679993
0.35445443	0.02195032	0.46134944	0.55089367	0.97519348
0.04107175	0.75119348	0.42519348	0.42519348	0.02095032
0.31767104	0.02095032	0.15494261	0.50427246	0.02095032
0.02095032	0.89723156	0.	0.08845825	0.60974121
0.02095032	0.93519348	0.53235571	0.93519348	0.93519348
0.02095032	0.02384491	0.49519348	0.93519348	0.02613048
0.25067300	0.99519348	0.49519348	0.	0.11923218
0.42455117	0.02095032	0.99519348	0.13145447	0.99519348
0.99519348	0.36857605	0.74977534	0.73233032	0.
0.25054432	0.02095032	0.49519348	0.02095032	0.99519348
0.02095032	0.	0.02095032	0.	-0.56175232
0.64556885	-0.67327881	-0.70780945	-0.03468323	0.93557529
0.56893240	-0.34505554	-0.13999939	-0.61506348	0.
1.00000000	-0.55487061	-0.73297119	-0.40562917	-0.69101501
0.77288918	-0.09602356	-0.75897217	-0.45652161	-0.69218645
0.47661318	-1.00000000	-0.51270093	-0.49397520	-0.02296648
0.49704131	-0.27453394	-0.76121700	-0.36663942	-0.27201843
0.12515259	-0.80816650	-0.66424772	-0.48179626	-1.00000000
0.	-0.582766013	-0.52128601	-0.71467590	-0.68225098
0.66998291	-0.90852356	0.	-0.45550517	-0.35563660
0.41748230	0.	-0.63645935	-0.06292725	-0.86193848
0.7.434570	-0.29139709	-0.08475220	0.	-0.06292725
0.06292725	-0.02296448	-0.12515259	-0.87805176	-0.73625183
0.02296448	0.	0.	0.	0.

0.56060000	-0.50000000	0.55383301	0.0	0.23596191
0.0	0.08586121	0.33665668	0.12446594	
0.0	0.98115540	0.00365367	0.51875305	0.87335205
0.47940083	0.74906971	0.60653567	0.0	0.61077576
0.95966327	0.98115540	0.93601190	0.12099116	0.74327087
0.79115540	0.05769348	0.85695411	0.14616394	0.03131104
0.93601190	0.90272522	0.96272522	0.87335205	0.0
0.90272522	0.80325317	0.17668152	0.93601190	0.15560913
0.78425598	0.0	0.93601190	0.0	0.61917114
0.87335205	0.98115540	0.27335205	0.0	0.56001282
0.0	0.67158508	0.0	0.0	0.81964111
0.0	0.54321594	0.96422749	0.08401489	0.87335205
0.51203703	0.783115540	0.06706238	0.90272522	-0.50296021
-1.00000000	0.00000000	-0.0794678	-1.00000000	-0.89671436
-1.00000000	-0.26330872	-0.30841719	-1.00000000	-0.96847534
-0.22253418	-0.71623425	-1.00000000	-0.87474060	-0.14184570
-0.06330872	-0.88478088	-0.27204695	-0.43243408	0.0
-0.01823425	-0.06330872	-0.36473218	-0.41525269	-0.01823425
-0.01823425	-0.14184570	-0.18482971	-0.96688843	-0.48391042
-1.00000000	-0.34434035	-0.09841919	-1.00000000	-1.00000000
-0.09841919	-0.21801868	-0.86338206	-1.00000000	-0.87008360
-0.06330872	-0.82626343	-0.20767736	-1.00000000	-0.14184570
-1.00000000	-1.00000000	-0.14184570	-0.01823425	-0.09841919
-1.00000000	-0.09841919	-0.21630066	-1.00000000	-0.47172546
-0.51106262	-0.54444441	-0.42059226	-0.90243530	-0.06330872
0.0	0.0	0.0	0.0	

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.67978562
.. CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93244649
.. CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38520375
.. CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15884922
.. CONTROL=000000000007
  4 BIAS CHANGES

```

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.1935137	4. 1	0.6368040	5. 1	0.0094156
6. 1	0.6088921	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.883367
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.584845	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0659122	28. 1	0.2632116	29. 1	0.117748	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.733556
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2034472	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.2328181	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0730155	60. 1	0.5846718
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

1971 2 25 10:10 AM 11:00 AM 0.140/0.00

●●● 21 1 20 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16131741
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36840060
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.57546380
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47193220
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52369800
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.52369800

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.8680294	10. 1	0.3135050
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0915158	15. 1	0.
16. 1	0.1995184	17. 1	0.6090199	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4749580	29. 1	0.	30. 1	0.
31. 1	0.2196643	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0050599	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.

46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5458750	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1714197
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4517379
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991

** CONTROL=000000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991

** CONTROL=000000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991

** CONTROL=000000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.52499994

** CONTROL=000000000005

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.62499994

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246465	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO. 1 IS	1.02465	SUM NO. 2 IS	0.	SUM NO. 3 IS	0.	SUM NO. 4 IS	0.	SUM NO. 5 IS	0.

*** 92 INPUT M4 IDENTIFICATION CORRECT
 MIMPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43863365

** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19487108

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.95110852

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57298981

** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38193046

** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47846013

** CONTROL=000000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.4.446013

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4863030	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6727226
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0375102	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.709234
46. 1	0.4107800	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6910183	52. 1	0.4877686	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6198457	68. 1	0.	69. 1	0.6536915	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.21347459

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.42674919

** CONTROL=000000000001

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.42694914

SUM NO.	1 IS	0.	SUM NO.	2 IS	1.000000	SUM NO.	0.	0.	SUM NO.	0.	0.	SUM NO.	0.	0.	0.
1	0.	0.	2	1.000000	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

*** 93 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06434266
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.75060751
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40747260
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23590764
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32169011
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27879888
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.30024450
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.10224450

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0804467	2. 1	0.3288205	3. 1	0.1776272	4. 1	0.	5. 1	0.
6. 1	0.5372126	7. 1	0.	8. 1	0.2404584	9. 1	0.3919607	10. 1	0.0747093
11. 1	0.	12. 1	0.0306121	13. 1	0.	14. 1	0.1038395	15. 1	0.1247134
16. 1	0.1893116	17. 1	0.2474446	18. 1	0.	19. 1	0.	20. 1	0.1225389
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.3095905	25. 1	0.
26. 1	0.0016870	27. 1	0.	28. 1	0.	29. 1	0.1628509	30. 1	0.0977709
31. 1	0.0325792	32. 1	0.	33. 1	0.	34. 1	0.1398605	35. 1	0.
36. 1	0.	37. 1	0.2866946	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0354951	42. 1	0.2307732	43. 1	0.0931611	44. 1	0.0425996	45. 1	0.0657078
46. 1	0.0696665	47. 1	0.0083112	48. 1	0.	49. 1	0.0008222	50. 1	0.2218428
51. 1	0.0584256	52. 1	0.0599973	53. 1	0.	54. 1	0.	55. 1	0.0274103
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1629534	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0499310
66. 1	0.0146018	67. 1	0.2078365	68. 1	0.	69. 1	0.1531111	70. 1	0.
71. 1	0.	72. 1	0.0639325	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.12415634
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.12415634

SUM NO.	1 IS	0.4243699	SUM NO.	2 IS	0.5756301	SUM NO.	0.	0.	SUM NO.	0.	0.	SUM NO.	0.	0.	0.
1	0.4243699	0.4243699	2	0.5756301	0.5756301	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

*** 94 INPUT H5 IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.19981807
 ** CONTROL=000000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.20407569
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.70620450
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45726891
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33280112
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.39503501
 ** CONTROL=000000000007
 8 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.39503501

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1391104	2. 1	0.0677244	3. 1	0.1412766	4. 1	0.0171253	5. 1	0.
6. 1	0.1361220	7. 1	0.	8. 1	0.1244223	9. 1	0.2629688	10. 1	0.0971867
11. 1	0.0964057	12. 1	0.1353625	13. 1	0.0077557	14. 1	0.0619630	15. 1	0.0527193
16. 1	0.0439740	17. 1	0.2543025	18. 1	0.	19. 1	0.	20. 1	0.0555355
21. 1	0.	22. 1	0.	23. 1	0.1086841	24. 1	0.0631792	25. 1	0.1142533
26. 1	0.1498101	27. 1	0.	28. 1	0.	29. 1	0.0363148	30. 1	0.1234895
31. 1	0.1420812	32. 1	0.	33. 1	0.	34. 1	0.1496740	35. 1	0.
36. 1	0.	37. 1	0.2501119	38. 1	0.	39. 1	0.	40. 1	0.0649825
41. 1	0.1606335	42. 1	0.0427229	43. 1	0.1228052	44. 1	0.0860751	45. 1	0.1582001
46. 1	0.2881430	47. 1	0.1433504	48. 1	0.	49. 1	0.1161346	50. 1	0.0147996
51. 1	0.0719271	52. 1	0.0848488	53. 1	0.0597442	54. 1	0.	55. 1	0.0968159
56. 1	0.0888584	57. 1	0.	58. 1	0.	59. 1	0.0764867	60. 1	0.
61. 1	0.2445776	62. 1	0.	63. 1	0.0718399	64. 1	0.	65. 1	0.1422453
66. 1	0.	67. 1	0.1308825	68. 1	0.	69. 1	0.1314627	70. 1	0.
71. 1	0.0757490	72. 1	0.0493881	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.40810144
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.40810244

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4401657	2. 2	0.5598343	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.44017								
SUM NO. 2 IS	0.55983								

*** 95 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=000000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34722215
 ** CONTROL=000000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41666660
 ** CONTROL=000000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45138881
 ** CONTROL=000000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.46874991
 ** CONTROL=000000000005
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.46874991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2011923	2. 1	0.0843135	3. 1	0.0635667	4. 1	0.0604391	5. 1	0.0909111
6. 1	0.0953160	7. 1	0. 0	8. 1	0.0835812	9. 1	0.2310920	10. 1	0.0574864
11. 1	0.0704978	12. 1	0.0764264	13. 1	0.0409145	14. 1	0.0816877	15. 1	0.1077230
16. 1	0.0856578	17. 1	0.2246572	18. 1	0.0677554	19. 1	0. 0	20. 1	0.0787044
21. 1	0. 0	22. 1	0. 0	23. 1	0.1220772	24. 1	0.0941326	25. 1	0.0864770
26. 1	0.1222551	27. 1	0. 0	28. 1	0.0052961	29. 1	0.0883544	30. 1	0. 0
31. 1	0.0574214	32. 1	0. 0	33. 1	0. 0	34. 1	0.0881325	35. 1	0.1010002
36. 1	0. 0	37. 1	0.1512810	38. 1	0. 0	39. 1	0.0560581	40. 1	0.1143539
41. 1	0.0455258	42. 1	0.0833182	43. 1	0.0833015	44. 1	0.1104691	45. 1	0.0699713
46. 1	0.1005503	47. 1	0.0987291	48. 1	0. 0	49. 1	0.0765491	50. 1	0.0850931
51. 1	0.0584790	52. 1	0.0807169	53. 1	0.0763714	54. 1	0. 0	55. 1	0.0556996
56. 1	0.0654463	57. 1	0. 0	58. 1	0. 0	59. 1	0.1018770	60. 1	0.0601569
61. 1	0.1723803	62. 1	0. 0	63. 1	0.0437780	64. 1	0. 0	65. 1	0. 0
66. 1	0.0202901	67. 1	0.0577280	68. 1	0. 0	69. 1	0.0855447	70. 1	0. 0
71. 1	0.0425631	72. 1	0.1276390	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.70623036
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.60311519
 ** CONTROL=000000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.60311519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5577533	2. 2	0.3564613	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.55775								
SUM NO. 2 IS	0.35646								

*** 96 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40166008
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92122816
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.44079623
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18101220
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31090420
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24545821
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24545821

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0. 0	2. 1	0.6506029	3. 1	0. 0	4. 1	0. 0	5. 1	0. 0
6. 1	0. 0	7. 1	0. 0	8. 1	0.3827311	9. 1	0. 0	10. 1	0. 0
11. 1	0. 0	12. 1	0. 0	13. 1	0. 0	14. 1	0. 0	15. 1	0. 0
16. 1	0. 0	17. 1	0. 0	18. 1	0. 0	19. 1	0. 0	20. 1	0. 0
21. 1	0. 0	22. 1	0. 0	23. 1	0. 0	24. 1	0. 0	25. 1	0. 0
26. 1	0.7524167	27. 1	0. 0	28. 1	0. 0	29. 1	0. 0	30. 1	0. 0
31. 1	0. 0	32. 1	0. 0	33. 1	0. 0	34. 1	0.7401356	35. 1	0. 0
36. 1	0. 0	37. 1	0. 0	38. 1	0. 0	39. 1	0.2657378	40. 1	0. 0
41. 1	0. 0	42. 1	0. 0	43. 1	0. 0	44. 1	0. 0	45. 1	0. 0
46. 1	0. 0	47. 1	0. 0	48. 1	0. 0	49. 1	0. 0	50. 1	0.0061639
51. 1	0. 0	52. 1	0. 0	53. 1	0. 0	54. 1	0. 0	55. 1	0. 0
56. 1	0. 0	57. 1	0. 0	58. 1	0. 0	59. 1	0. 0	60. 1	0. 0
61. 1	0. 0	62. 1	0. 0	63. 1	0.1233634	64. 1	0. 0	65. 1	0. 0
66. 1	0. 0	67. 1	0.5583257	68. 1	0. 0	69. 1	0. 0	70. 1	0. 0
71. 1	0. 0	72. 1	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.34383061
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.72764125
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.72766125

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 97 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.05834565

CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16793536

CONTROL=00000000003

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.16793536

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0441527	3. 1	0.0283040	4. 1	0.	5. 1	0.1867538
6. 1	1.0718642	7. 1	0.	8. 1	0.7809764	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.1381516	13. 1	0.	14. 1	0.	15. 1	0.1013272
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1040540
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2049228	28. 1	0.	29. 1	0.	30. 1	0.0407825
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3072839	35. 1	0.5365107
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.1266624	40. 1	0.
41. 1	0.	42. 1	0.3476746	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2170315
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0800544	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0744449	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.39241348

CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.78482698

CONTROL=00000000003

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.78482698

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 98 INPUT H6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49468443

CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20190826

CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.90913709

CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55552018

CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37871422

CONTROL=00000000007

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.37871422

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2303453	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.7303300	13. 1	0.	14. 1	0.1748991	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2924517
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.4905489	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1777240	37. 1	0.0426233	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0239961	44. 1	0.3974680	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1227968	55. 1	0.7082163
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6907456	63. 1	0.2239933	64. 1	0.	65. 1	0.7278382
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49997999

CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.20905681

CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.85452840

CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.03179260

CONTROL=00000000007

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03179260

COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0. 2. 2 1.0546619 0. 0 0.
 SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.05466

*** 99 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30728802
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59804808
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.8880913
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.8880913

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0969362
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.2339144	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0566812
36. 1	1.0304102	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9590965	67. 1	0.	68. 1	0.	69. 1	0.0108444	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0080184	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00802
 SUM NO. 2 IS 0.

*** 100 INPUT H1 IDENTIFICATION CORRECT
 MINPS=000000000013 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40295397
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16840430
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.93385462
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55112946
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35976689
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.45544817
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.45544817

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.7256120	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7308360	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5319487
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.6629287
31. 1	0.1764062	32. 1	0.3952163	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6916780	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3150484	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5225646	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6235599	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.08072856
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.75048957

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.						
SUM NO. 2 IS	1.00000						

*** 103 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39721607
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.76514055
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13306503
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.13306503

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.
5. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1102393	19. 1	0.
21. 1	0.9934687	22. 1	0.5619129	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.6670545	29. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2325191	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.
56. 1	0.	57. 1	0.6393504	58. 1	0.1557350	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.97663745
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.73831871
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.11915934
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.11915934

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0932064	2. 2	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.09321						
SUM NO. 2 IS	0.						

*** 104 INPUT H3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49458429
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.9914075
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48769721
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25941898
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25941898

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1723354	4. 1	0.6880642
6. 1	0.6433650	7. 1	0.	8. 1	0.	9. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6774455	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2201309	29. 1	0.0494712
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.1720384	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.2465220	54. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0291603
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.25995070
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.51990142
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.51940147

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0015090	2. 2	1.0000000	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.00751								
SUM NO. 2 IS	1.00000								

*** 105 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.17862027
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39880720
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.61917418
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.61917418

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0. 0	2. 1	0. 0	3. 1	0. 0	4. 1	0. 0	5. 1	0. 0
6. 1	0. 0	7. 1	0. 0	8. 1	0. 0	9. 1	0.7858030	10. 1	0.2562613
11. 1	0. 0	12. 1	0. 0	13. 1	0. 0	14. 1	0.0009135	15. 1	0. 0
16. 1	0.1050509	17. 1	0.5787740	18. 1	0. 0	19. 1	0. 0	20. 1	0. 0
21. 1	0. 0	22. 1	0. 0	23. 1	0. 0	24. 1	0. 0	25. 1	0. 0
26. 1	0. 0	27. 1	0. 0	28. 1	0.4715670	29. 1	0. 0	30. 1	0. 0
31. 1	0.2431179	32. 1	0. 0	33. 1	0. 0	34. 1	0. 0	35. 1	0. 0
36. 1	0. 0	37. 1	1.0212440	38. 1	0. 0	39. 1	0. 0	40. 1	0. 0
41. 1	0. 0	42. 1	0. 0	43. 1	0. 0	44. 1	0. 0	45. 1	0. 0
46. 1	0. 0	47. 1	0. 0	48. 1	0. 0	49. 1	0. 0	50. 1	0. 0
51. 1	0.5421486	52. 1	0. 0	53. 1	0. 0	54. 1	0. 0	55. 1	0. 0
56. 1	0. 0	57. 1	0. 0	58. 1	0. 0	59. 1	0. 0	60. 1	0. 0
61. 1	0. 0	62. 1	0. 0	63. 1	0. 0	64. 1	0. 0	65. 1	0.0332340
66. 1	0. 0	67. 1	0. 0	68. 1	0. 0	69. 1	0. 0	70. 1	0.4802989
71. 1	0. 0	72. 1	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -24.17943358
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -12.83971079
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -7.16985840
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.33492917
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.91746458
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.20873231
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.56309843
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.38591537
 ** CONTROL=000000000007
 10 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.38591537

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0718538	2. 2	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	1.07185								
SUM NO. 2 IS	0. 0								

*** 106 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43980776
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.21755655
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.99510534
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60643095
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41199376
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.50921234
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.50921234

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0. 0	2. 1	0. 0	3. 1	0.4518746	4. 1	0. 0	5. 1	0. 0
6. 1	0. 0	7. 1	0. 0	8. 1	0. 0	9. 1	0. 0	10. 1	0. 0
11. 1	0. 0	12. 1	0. 0	13. 1	0. 0	14. 1	0. 0	15. 1	0.7005747
16. 1	0. 0	17. 1	0. 0	18. 1	0. 0	19. 1	0. 0	20. 1	0. 0
21. 1	0. 0	22. 1	0. 0	23. 1	0. 0	24. 1	0. 0	25. 1	0. 0
26. 1	0. 0	27. 1	0. 0	28. 1	0. 0	29. 1	0. 0	30. 1	0. 0
31. 1	0. 0	32. 1	0. 0	33. 1	0. 0	34. 1	0. 0	35. 1	0. 0
36. 1	0. 0	37. 1	0. 0	38. 1	0.0093905	39. 1	0. 0	40. 1	0. 0
41. 1	0. 0	42. 1	0. 0	43. 1	0. 0	44. 1	0. 0	45. 1	0.7001839
46. 1	0.4233692	47. 1	0. 0	48. 1	0. 0	49. 1	0. 0	50. 1	0. 0
51. 1	0.64926285	52. 1	0.5624847	53. 1	0. 0	54. 1	0. 0	55. 1	0. 0
56. 1	0. 0	57. 1	0. 0	58. 1	0. 0	59. 1	0. 0	60. 1	0. 0
61. 1	0. 0	62. 1	0. 0	63. 1	0. 0	64. 1	0. 0	65. 1	0. 0
66. 1	0. 0	67. 1	0.6210596	68. 1	0. 0	69. 1	0.6785990	70. 1	0. 0
71. 1	0. 0	72. 1	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41350174
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.82700349
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.8270349

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 107 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000004 NCYCS=000000000014 INDCT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06084643
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.62742871
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34413858
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20249552
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27331604
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23790479
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25561041
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.25561041

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0323965	2. 1	0.2894084	3. 1	0.1287593	4. 1	0.0171790	5. 1	0.
6. 1	0.6647751	7. 1	0.	8. 1	1.3215160	9. 1	0.3403427	10. 1	0.1268314
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0292659	15. 1	0.0752094
16. 1	0.1426475	17. 1	0.2728716	18. 1	0.0178048	19. 1	0.	20. 1	0.1372104
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.3021051	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1834377	30. 1	0.0484573
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0937632	35. 1	0.
36. 1	0.	37. 1	0.2781652	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.2334838	43. 1	0.0275163	44. 1	0.0797065	45. 1	0.0331990
46. 1	0.0872962	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2630053
51. 1	0.0221812	52. 1	0.0105140	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1105037	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1471853	67. 1	0.1396347	68. 1	0.	69. 1	0.1349074	70. 1	0.0408908
71. 1	0.	72. 1	0.1219665	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.18256199
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.18256199

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9037481	2. 2	0.0962519	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.90375								
SUM NO. 2 IS	0.09625								

*** 108 INPUT M5 IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDCT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40929663
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96841955
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52754247
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24798101
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24798101

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.8659768	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.5265630	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.7518128	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.7518652	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.8711916	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.9105444
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2028607	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5962655	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41416685
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.82833374
 ** CONTROL=000000000003
 2 BIAS CHANGES

SUM NO. 2 IS 00000

*** 111 INPUT V6 IDENTIFICATION CORRECT
MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28044811
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58275731
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.88506651
** CONTROL=00000000003
5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.88506651

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.
26. 1	0.	27. 1	1.3360568	28. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.
36. 1	1.106004	37. 1	0.	38. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.
66. 1	0.8598056	67. 1	0.	68. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
** CONTROL=00000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
** CONTROL=00000000005
5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9558736	2. 2	0.	0. 0	0.

SUM NO. 1 IS 0.95587
SUM NO. 2 IS 0.

*** 112 INPUT H1 IDENTIFICATION CORRECT
MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41083652
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19310625
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.97537598
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.5424112
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38867369
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48645741
** CONTROL=00000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.48645741

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.7119295	8. 1	0.
11. 1	0.7164168	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.
31. 1	0.1818682	32. 1	0.4370293	33. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6773839
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.
61. 1	0.6146519	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.18701920
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37403841
** CONTROL=00000000003
2 BIAS CHANGES

COMP.	OUTPUT	COMP.	OUTPUT
4. 1	0.	5. 1	1.1147087
9. 1	0.	10. 1	0.
14. 1	0.	15. 1	0.
19. 1	0.	20. 1	0.
24. 1	0.	25. 1	0.
29. 1	0.	30. 1	0.
34. 1	0.	35. 1	1.0794791
39. 1	0.	40. 1	0.
44. 1	0.	45. 1	0.
49. 1	0.	50. 1	0.
54. 1	0.	55. 1	0.
59. 1	0.	60. 1	0.
64. 1	0.	65. 1	0.
69. 1	0.	70. 1	0.
0. 0	0.	0. 0	0.

COMP.	OUTPUT	COMP.	OUTPUT
0. 0	0.	0. 0	0.

COMP.	OUTPUT	COMP.	OUTPUT
4. 1	0.	5. 1	0.
9. 1	0.	10. 1	0.
14. 1	0.	15. 1	0.
19. 1	0.	20. 1	0.5082116
24. 1	0.	25. 1	0.
29. 1	0.	30. 1	0.07457
34. 1	0.	35. 1	0.
39. 1	0.	40. 1	0.
44. 1	0.	45. 1	0.
49. 1	0.3510805	50. 1	0.
54. 1	0.5066143	55. 1	0.
59. 1	0.	60. 1	0.
64. 1	0.	65. 1	0.
69. 1	0.	70. 1	0.
0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = -0.37403841

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 113 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31890905
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.69522704
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07154503
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07154503

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.2854704	20. 1	0.

21. 1	0.	22. 1	0.6850486	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.7796127	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.2547902	37. 1	0.	38. 1	0.8583176	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5040992	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2894417	64. 1	0.9771125	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.6370880	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999986
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0327549	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.03275								
SUM NO. 2 IS	0.								

*** 114 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39506543
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06943373
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.74380204
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.40661789
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.40661789

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.7027327	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.3842217	24. 1	0.5499517	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6364975	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5874976	42. 1	0.5869867	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.7105873	48. 1	0.5447267	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4099844	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44566250
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.89132501
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.89132501

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 115 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37533773
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73477395
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09421016
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.09421016

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4538512
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1408403	19. 1	0.	20. 1	0.
21. 1	1.0516626	22. 1	0.5776545	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7204798	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2444111	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7362937	58. 1	0.2803550	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5692769
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999995
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -10.53318477
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -6.01659238
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.75829616
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.62914807
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.06457400
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.34686103
 ** CONTROL=000000000007
 8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.34686103

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0534697	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05347								
SUM NO. 2 IS	0.								

*** 116 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49984999
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01342389
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52699779
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27021085
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.27021085

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1534753	4. 1	0.7214759	5. 1	0.
6. 1	0.5080166	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.9049462
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.7327605	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2015047	29. 1	0.0297067	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6796289
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1434868	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.3191281	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0128628	60. 1	0.7672876
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.18544753
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37087507
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37089507

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 117 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYES=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.785372A
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44513659
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.68173392
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.68173392

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.9022186	10. 1	0.2647499
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0584956	17. 1	0.7169465	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4687509	29. 1	0.	30. 1	0.
31. 1	0.2746229	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.1058497	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5747857	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5635890
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9751388	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.97614								
SUM NO. 2 IS	0.								

*** 118 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000005 NCYES=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44130120
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25400855
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.06671590
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66036223
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.45718540
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.55877382
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.55877382

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3947784	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6363307
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6695907
46. 1	0.4181846	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6498571	52. 1	0.5809921	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5706672	68. 1	0.	69. 1	0.6533369	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.47505103
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.96252552
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.1937828
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.19378028

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	2	0.9553471	3	0	0.	4	0	0.
2	1	0.	2	2	0.95535	3	0	0.	4	0	0.

*** 119 INPUT V4 IDENTIFICATION CORRECT
 NINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01658085
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05689910
 ** CONTROL=000000000001
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.05689910

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.5256546	3	1	0.1324367	4	1	0.
5	1	0.4098386	7	1	0.	8	1	0.4848398	9	1	0.1805442
11	1	0.	12	1	0.	13	1	0.	14	1	0.
16	1	0.1293811	17	1	0.1364228	18	1	0.	19	1	0.
21	1	0.	22	1	0.	23	1	0.	24	1	0.4872193
26	1	0.	27	1	0.	28	1	0.	29	1	0.2729050
31	1	0.	32	1	0.	33	1	0.	34	1	0.0513097
36	1	0.	37	1	0.1667370	38	1	0.	39	1	0.
41	1	0.	42	1	0.3871509	43	1	0.	44	1	0.
46	1	0.	47	1	0.	48	1	0.	49	1	0.
51	1	0.	52	1	0.	53	1	0.	54	1	0.
56	1	0.	57	1	0.	58	1	0.	59	1	0.
61	1	0.0296254	62	1	0.	63	1	0.	64	1	0.
66	1	0.1371808	67	1	0.1381329	68	1	0.	69	1	0.1174701
71	1	0.	72	1	0.1266708	73	1	0.	74	1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.53290822
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.53290822

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.4372158	2	2	0.5627842	3	0	0.	4	0	0.
1	1	0.43722	2	1	0.56278	3	0	0.	4	0	0.

*** 120 INPUT M5 IDENTIFICATION INCORRECT.

NEW G-WEIGHTS FROM RESULT OF INPUT 120

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51788330	0.50225830	0.49572754	0.49572754
0.49572754	0.50105286	0.49572754	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48864746	0.48864746	0.48864746	0.51882935
0.48864746	0.48864746	0.51882935	0.51882935	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

1.00000000	0.22088623	0.40966797	0.73013306	0.24575806
0.21130172	0.29092407	0.89128113	-0.80270386	-0.06205750
-0.80270386	-0.76400757	-0.21075914	-0.65811157	-0.68307068
-0.03465271	0.16149475	0.86616516	0.86616516	0.86616516
0.47074190	0.49285089	0.15686035	0.13949585	-0.50932312
-0.42124339	-0.44183350	-0.44947815	-0.44947815	-0.83721924
-0.44183350	-0.44947815	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.52653503	0.50601196	0.38049716	0.49165344	0.26461792
0.52377319	0.87609863	0.43077087	0.	-0.62806702
-0.26202393	-0.48365784	-0.65802002	-0.91427612	-0.49246216
-0.56144714	0.	0.82327271	0.82327271	0.49002075
0.56852722	0.73326111	0.24157715	0.32003714	-0.40585327
-0.78250122	-0.40585327	-0.43339539	0.35058594	-0.40585327
-0.43339539	-0.78250122	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.60900879	0.44898987	0.46209717	0.50799561	0.47383118
0.49540710	0.48818970	0.51441956	-0.61752319	0.
-0.62717712	-0.61865235	-0.67056274	-0.24250793	-0.62008667
-0.60844421	0.52166746	0.52772522	0.53004456	0.44813539
0.43550110	0.50967407	0.51573181	0.51147481	0.
-0.55180359	-0.55003357	-0.62222290	-0.63432312	-0.54597473
-0.54377747	-0.55180359	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS				
0.42150508	0.41986084	0.43397522	0.44589233	0.78907776
0.41986084	0.62599182	0.44374034	-0.49853516	-0.52478027
-0.56719971	-0.40719604	-0.54365845	-0.59385481	-0.51745605
-0.29728699	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.46331787
-0.58782359	0.	-0.63255310	-0.46331787	-0.58782359
-0.63255310	-0.63255310	0.	0.	0.
COMPONENT 6. 1 G-WEIGHTS				
0.44297791	0.36573792	0.09205627	0.80244446	1.00000000
0.40507507	0.89187786	0.	-0.43646240	-0.70378113
-0.41827393	0.	-0.56475830	-0.50044250	-0.86408887
-0.51016235	0.21752930	0.96977734	0.27615356	0.50720215
0.96777234	0.27615356	0.27615356	0.50720215	0.
-0.54803467	-0.54803467	-0.48420715	-0.54803467	-0.54803467
-0.90265381	-0.41598511	0.	0.	0.
COMPONENT 7. 1 G-WEIGHTS				
1.00000000	0.86056519	0.91648755	0.22515869	0.22578430
0.3671570	0.21629333	0.21696472	-0.64132690	0.
-0.64367676	-0.6427749	-0.64451599	-0.64476013	-0.14201355
-0.64089966	0.66024780	0.66044617	0.67980957	0.66044617
0.67980957	0.65922546	0.	0.	-0.47688678
-0.40825552	-0.50213623	-0.50090027	-0.50065613	-0.50828552
-0.50213623	-0.50065613	0.	0.	0.
COMPONENT 8. 1 G-WEIGHTS				
0.34574890	0.32162475	0.48345947	0.35739136	0.36853027
0.77920532	0.95365906	0.39031982	-0.57960510	-0.19537354
-0.67379761	-0.62159729	-0.62457275	-0.10260010	-0.67012024
-0.53227234	0.33715820	0.06175232	0.73648071	0.99826050
0.33715820	0.73648071	0.69442749	0.09815979	-0.47705078
-0.74891863	-0.48092651	-0.47705078	-0.74891863	-0.16360474
-0.42251507	-0.48092651	0.	0.	0.
COMPONENT 9. 1 G-WEIGHTS				
0.43978882	0.87098694	0.99662781	0.36431885	0.44274902
0.33921914	0.06799316	0.47828674	-0.59761047	0.
-0.50094604	-0.42443848	-0.59928894	-0.67111206	-0.62251282
-0.58406067	1.00000000	0.	0.02436829	1.00000000
0.02436829	0.92687984	0.02436829	1.00000000	0.
-0.78228760	-0.59594727	-0.07266735	-0.76121521	-0.59594727
-0.59594727	-0.59594727	0.	0.	0.
COMPONENT 10. 1 G-WEIGHTS				
0.99859619	0.00216675	0.99859619	0.00216675	0.99859619
0.99859619	0.00123596	0.	-0.65010071	-0.73144368
-0.64889526	-0.67672729	-0.00285339	-0.58001709	-0.02865601
-0.68107665	0.63791931	0.77093506	0.43873596	0.15734863
0.15734863	0.63791931	0.77093506	0.43873596	-0.60099792
-0.6246562	-0.60099792	-0.60002136	-0.06417847	-0.28021240
-0.60099792	-0.60002136	0.	0.	0.
COMPONENT 11. 1 G-WEIGHTS				
0.35932922	0.35208130	0.35208130	0.28153992	0.34487915
0.31005859	1.00000000	1.00000000	-0.56451416	-0.59336853
-0.56884766	-0.57234192	-0.56585693	-0.55780029	0.
-0.57723939	0.58918762	0.58918762	0.57482910	0.58918762
0.58918762	0.54136658	0.52700806	0.	-0.47541809
-0.52938843	-0.54672241	-0.49276733	-0.47541809	-0.47541809
-0.52938843	-0.47541809	0.	0.	0.
COMPONENT 12. 1 G-WEIGHTS				
0.35937500	0.38323975	0.35643005	0.78672791	1.00000000
0.37928772	0.37978418	0.35612488	0.	-0.74375916
-0.75885010	-0.77217102	-0.76797485	-0.28077498	0.55967712
-0.67645264	0.	0.	0.72474670	-0.40179443
0.67645264	0.72474670	0.64169312	0.67456055	-0.49952698
-0.53604126	-0.62973022	-0.49952698	-0.40179443	0.
-0.62973022	-0.40179443	0.	0.	0.
COMPONENT 13. 1 G-WEIGHTS				
0.38248877	0.43605042	0.45640564	0.57922363	0.56159973
0.56901550	0.44990540	0.55978040	-0.54269409	-0.47941589
-0.44476318	-0.53431702	-0.45362854	-0.46156311	-0.59751892
-0.48605347	0.20079041	0.91352844	0.48066711	0.20079041
0.60920715	0.91352844	0.48066711	0.20079041	-0.28372192
-0.69335938	-0.96275330	-0.56446838	-0.28372192	-0.69335938
-0.25927734	-0.25927734	0.	0.	0.
COMPONENT 14. 1 G-WEIGHTS				
0.53689475	0.37059021	0.73056030	0.46750396	0.46293640
0.51225281	0.45376587	0.46514893	-0.52507019	-0.55075073
-0.55278015	-0.36555481	-0.53889465	-0.46162415	-0.47309875
-0.53219604	0.11167908	0.	0.70118713	0.84257507
0.26980571	0.64491272	0.92431641	0.50549316	-0.54806519
-0.55810547	-0.40966797	-0.40966797	-0.69699097	-0.55810547
-0.40966797	-0.40966797	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.30001831	0.26354980	0.59016418	1.00000000	0.30439758
0.25195313	1.00000000	0.28941345	-0.34131385	-0.52118738
-0.55842540	-0.53126526	-0.50572205	-0.54121774	-0.52531413
-0.47651672	0.	0.59376526	0.68551616	0.71853638
0.71853638	0.68667603	0.59376526	0.0017375	-0.48019409
-0.4765242	-0.58412170	-0.48115540	-0.43351616	-0.47685242
-0.58412170	-0.48115540	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.96730042	0.41809082	0.43713379	0.44649943	0.20477295
0.33195496	0.51911928	0.47508240	-0.57223511	-0.55503845
0.	-0.53216553	-0.61082458	-0.53767817	-0.60418374
-0.58750916	0.57019043	0.54634094	0.63957214	0.38018799
0.57019043	0.54634094	0.72831726	0.01881409	-0.46307373
-0.63740540	-0.46307373	-0.43740645	-0.46307373	-0.63740540
-0.43740645	-0.46307373	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.56068420	0.51020813	0.44470215	0.52043152	0.52043152
0.45353699	0.45498657	0.53495789	-0.58750916	-0.46887207
-0.47686768	-0.50602722	-0.56236267	-0.41662598	-0.49957275
-0.48214722	0.	0.50397034	0.	0.7484033
0.99769592	0.99769592	0.	0.95176697	-0.65672466
-0.49559021	0.	-0.65652466	-0.34669882	-0.65652466
-0.83172007	-0.65652466	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.42355347	0.37432861	0.51899719	0.54301453	0.61293030
0.52117420	0.50865173	0.49729919	-0.58535767	-0.58612061
-0.38616943	0.	-0.59959412	-0.58689880	-0.64653696
-0.40920715	0.75724792	0.75724792	0.75724792	0.75724792
0.45933533	0.51165771	0.	0.	-0.65527442
-0.50447083	-0.52345276	-0.29151917	-0.33120883	-0.68600464
-0.50447083	-0.52345276	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.40065002	0.40797424	0.36669922	0.37945557	0.76669148
0.35177612	0.39237976	0.93414307	-0.54124451	-0.43887634
-0.50543213	-0.47785950	-0.49420166	-0.47883606	-0.49928284
-0.51425171	0.14968872	0.98831177	0.98831177	0.31730657
0.45167542	0.83535767	0.11967891	0.14968872	-0.59599304
-0.62583923	-0.04870605	-0.75927734	-0.59599304	-0.04870605
-0.72943115	-0.59599304	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.50476074	0.49803162	0.49966431	0.50988770	0.58120728
0.58503723	0.55169678	0.26968384	-0.54902649	-0.60221863
0.	-0.55039978	-0.45561218	-0.65997314	-0.58268738
-0.60005188	0.62886047	0.54780579	0.54780579	0.34719849
0.62292420	0.54602051	0.34121704	0.41813660	-0.47206590
-0.46781921	-0.67344666	-0.47204590	-0.47204590	-0.46781921
-0.58335876	-0.39138794	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.25779724	0.94062805	0.26133728	0.41134644	1.00000000
0.52091980	0.33108521	0.27635547	-0.59700012	-0.59700012
-0.56016541	-0.58862305	-0.54914856	0.	-0.55032349
-0.55779874	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	-0.63740540
-0.68446350	-0.68446350	-0.67176819	0.	0.
-0.63740540	-0.68446350	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.44624329	0.74183655	0.17477417	0.17477417	1.00000000
0.28755188	0.17477417	1.00000000	-0.55828857	-0.56404114
-0.57574463	0.	-0.57575989	-0.57465448	-0.57575989
-0.57575989	0.27766418	0.93392944	0.93392944	0.37776184
0.	0.22132874	0.93392944	0.32142639	-0.77670288
-0.77670288	-0.77670288	-0.11648560	0.	0.
-0.77670288	-0.77670288	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.43023682	0.42109680	0.43482971	0.97349548	0.41926575
0.43441772	0.43708801	0.44952393	-0.51161194	-0.43545532
-0.48916626	-0.44010925	-0.56021118	-0.51641846	-0.48910359
-0.55766296	0.68235779	0.68235779	0.84118652	0.72990772
0.62821960	0.11256409	0.19429964	0.10603333	-0.54280090
-0.48210144	-0.48866272	-0.48866272	-0.48866272	-0.48866272
-0.48866272	-0.53172302	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.43254089	0.69325256	0.63652039	0.07026672	0.69116211
0.48396301	0.49093628	0.50131226	-0.31887512	-0.60237122
-0.37533569	-0.57202148	-0.65733337	-0.48809881	-0.50697327
-0.76826477	0.	0.82684326	0.9146423	0.36824036
0.82684326	0.82684326	0.39146423	0.36824036	-0.40020752
-0.36701965	-0.37060547	-0.86213684	-0.86213684	-0.40020752
-0.36701965	-0.37060547	0.	0.	0.

COMPONENT 25.1 G-WEIGHTS				
0.68918321	0.48329163	0.44445788	0.44338989	0.47775269
0.45242310	0.47550476	0.48797827	-0.57000752	-0.43852236
-0.59880229	-0.54167339	-0.25453184	-0.38557434	-0.58583049
-0.82542725	0.76997168	0.62225764	0.73622437	0.51371131
0.74597168	0.53622437	0.14791196	0.14793396	-0.51176453
-0.44307251	-0.38798523	-0.54710152	-0.61650085	-0.38798523
-0.51176453	-0.49307251	0.	0.	0.
COMPONENT 26.1 G-WEIGHTS				
0.50000000	0.49241164	0.46974182	0.49780273	0.60000000
0.43420410	-0.47493726	0.52997978	-0.51954651	-0.49511719
-0.44900513	-0.52657165	-0.57964614	-0.52882385	-0.38587752
-0.51527805	0.52984619	0.55553271	0.62328050	0.5649067
0.52984619	0.55853271	0.62328050	0.	-0.50724797
-0.50724797	-0.42652843	-0.44591614	-0.59530470	-0.53993225
-0.50724797	-0.42652843	0.	0.	0.
COMPONENT 27.1 G-WEIGHTS				
0.37398257	0.45923950	0.36875752	0.37113953	0.56445313
1.00000000	0.36822510	0.51457214	-0.45249939	-0.52188110
-0.50421143	-0.50108337	-0.50095722	-0.51948918	-0.44834900
-0.54351679	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.70910645
-0.65499227	0.	-0.7010645	-0.62549927	-0.70910645
0.	-0.60163213	0.	0.	0.
COMPONENT 28.1 G-WEIGHTS				
0.39108275	0.24293491	0.34291077	0.33808899	1.00000000
1.00000000	0.34291077	0.34291077	-0.65283911	-0.58317566
-0.66139221	0.	-0.65114448	-0.66117859	-0.50416565
-0.28504964	0.01470337	0.35083400	0.	0.64079590
0.91470337	0.32316115	0.	0.85597229	-0.12644531
-0.15447998	-0.12249756	-0.87390137	-0.1249756	-0.8732971
-0.87390137	-0.87390137	0.	0.	0.
COMPONENT 29.1 G-WEIGHTS				
0.6712292	0.35122794	0.38320923	0.35075378	0.48953290
0.42663571	0.93699844	0.38966170	-0.49447795	-0.03501897
-0.68156434	-0.61505127	-0.59495544	-0.60997709	-0.59782410
-0.37127686	0.68424398	0.41142273	0.81378174	0.82922363
0.56083679	0.57203674	0.06417847	0.06417847	-0.51972961
-0.40881775	-0.42881775	-0.40504370	-0.68392744	-0.67242432
-0.42881775	-0.42881775	0.	0.	0.
COMPONENT 30.1 G-WEIGHTS				
0.1426636	0.41813660	1.00000000	0.46496582	0.40777588
0.46116638	0.39927673	0.44438171	-0.2089539	-0.55938013
-0.55856323	0.	-0.45973206	-0.52233883	-0.61230469
-0.63786316	0.	0.	0.7150745	0.53404236
0.58012390	0.72950745	0.7145547	0.71241760	-0.63636780
-0.46180725	-0.46180725	-0.68743896	-0.41320801	-0.46180725
-0.46430969	-0.41320801	0.	0.	0.
COMPONENT 31.1 G-WEIGHTS				
0.18850709	0.27130127	0.29142761	1.00000000	0.97698975
0.22343445	0.25262451	0.79566956	-0.76957703	-0.85520117
-0.73984070	-0.26440430	0.	-0.77626039	-0.49697876
-0.04670715	0.42390442	0.47338867	0.47215271	0.92868042
0.92868042	0.25681946	0.	0.46577813	0.
-0.50183105	-0.26789856	-0.89136794	-0.73406982	-0.13545227
-0.73406982	-0.73526001	0.	0.	0.
COMPONENT 32.1 G-WEIGHTS				
1.00000000	0.26376343	0.27705383	0.28376770	1.00000000
0.28862000	0.61228943	0.27647510	-0.82228088	-0.34074407
-0.62731728	0.	-0.21377563	-0.83827735	-0.12324574
-0.83430481	0.	0.	0.97108350	0.97108350
0.05764771	0.05000305	0.97308350	0.97308350	-0.27192688
-0.76831055	0.	-0.71452332	-0.76237688	-0.71452332
-0.76831055	0.	0.	0.	0.
COMPONENT 33.1 G-WEIGHTS				
0.49510664	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510143	-0.51829529	-0.50646473	-0.44395970	-0.51002012
-0.51167785	0.44557190	0.44557190	0.45069885	0.45069885
0.49880381	0.56948853	0.56948853	0.45069885	-0.51167780
-0.51167780	-0.50627146	-0.50627146	-0.43554688	-0.51167780
-0.50627146	-0.51167780	0.	0.	0.
COMPONENT 34.1 G-WEIGHTS				
0.52310181	0.41842651	0.48860168	0.54547119	0.48695374
0.43251038	0.63856506	0.46637385	-0.50764465	-0.52699280
-0.51904797	-0.50646128	-0.40678406	-0.53533936	-0.50039673
-0.49719238	0.78927612	0.50895691	0.47116089	0.35716240
0.78524780	0.45144653	0.62976774	0.00892749	-0.54741882
-0.54351881	-0.55741882	-0.20294149	-0.51425171	-0.54741882
-0.62174668	-0.37276240	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53246596	0.45263672	0.44818115	0.44012451	0.43266296
0.56570435	0.42224121	0.70591736	-0.36796570	-0.54162598
-0.54162598	-0.45307922	-0.44177246	-0.55357361	-0.5545479
-0.54162596	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.76728821
-0.76728821	-0.76728821	0.	-0.76728821	-0.31027222
-0.31027222	-0.31027222	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.62409973	0.94753606	0.99431396	0.19712630	0.32627869
0.21707153	0.18278503	0.52072144	-0.71336365	-0.46463013
-0.72247314	-0.70313862	-0.73248291	-0.37724304	-0.28643799
0.	0.97982768	0.14688110	0.	0.91360474
0.97982768	0.	0.	0.97982768	-0.21708579
-0.71054077	-0.71054077	-0.04986572	-0.21708579	-0.71054077
-0.71054077	-0.71054077	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.50384521	0.60128784	0.5206102	0.89376831	0.39801025
0.53987122	0.40856934	0.13398743	-0.68777466	-0.80934143
-0.68898610	-0.75987244	-0.00521851	0.	-0.71511341
-0.33366394	0.03453064	1.00000000	0.	1.00000000
0.96546936	0.	0.96546936	0.03453064	-0.60311890
0.	-0.76113366	-0.63574219	-0.60311890	0.
-0.76113366	-0.63574219	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.59037781	0.34875488	1.00000000	0.36254883	0.58079529
0.34930420	0.34875488	0.41941833	-0.65628052	-0.00962830
-0.65628052	-0.65612993	-0.65617371	-0.35166931	-0.49218750
-0.52362061	0.68432617	0.84883118	0.	0.
0.68437195	0.24883118	0.09477783	0.84883118	-0.63842773
-0.63847351	-0.03477612	-0.63847351	-0.63847351	-0.12988281
-0.63847351	-0.63847351	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.55807495	0.39137268	0.39512634	0.42947388	0.39028931
0.44653320	1.00000000	0.38911438	-0.52194214	-0.52906799
-0.43516541	-0.45825195	-0.46543884	-0.54389428	-0.50119019
-0.54501343	0.	0.69766235	0.61781311	0.64457703
0.69766235	0.64457703	0.69766235	0.	-0.56285095
-0.50822445	-0.44683838	-0.44143677	-0.54006958	-0.56285095
-0.49084473	-0.44683838	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.36416626	1.00000000	0.35591125	0.37181091	0.40422058
0.48554993	0.65621948	0.36209106	-0.57014465	-0.57600403
-0.58200073	-0.58198547	-0.53613281	0.	-0.57138062
-0.58232117	0.54678345	0.54425049	0.56629944	0.57388306
0.59997559	0.57388306	0.59490947	0.	-0.50042725
-0.47299194	-0.47856140	-0.47856140	-0.53308105	-0.47299194
-0.53027344	-0.53308105	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48176575	0.52294922	0.48826599	0.48870850	0.63002014
0.38038635	0.49240112	0.51544189	-0.54563904	-0.55812073
-0.54203796	-0.63063049	-0.56982422	0.	-0.56111145
-0.59260559	0.65779114	0.65779114	0.51632690	0.49214172
0.66099548	0.51954651	0.49536133	0.	-0.42169189
-0.42169189	-0.57165527	-0.47245483	-0.42169189	-0.57165527
-0.57165527	-0.59744263	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.85882568	0.24681091	0.37509155	0.52473501	0.31958008
0.48843384	0.69827271	0.48818970	-0.63940430	-0.64125061
-0.68740845	-0.04351807	-0.71371460	-0.56224060	-0.71243286
0.	0.79939270	0.43774414	0.43774414	0.48321533
0.79939270	0.43774414	0.12153625	0.48321533	-0.83686629
-0.56256104	-0.56256104	-0.51640320	-0.19821167	-0.56256104
-0.56256104	-0.19821167	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

1.00000000	0.30357361	0.38658142	0.29835510	1.00000000
0.32305908	0.36459351	0.32380676	-0.53732300	-0.33067322
-0.46707153	-0.50688171	-0.51831482	-0.52897644	-0.57814026
-0.51258850	0.63642883	0.63642883	0.64289856	0.49438477
0.48628235	0.55177307	0.55177307	0.	-0.45983887
-0.45983887	-0.61920166	-0.46234131	-0.45983887	-0.45983887
-0.61920166	-0.45983887	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.43142700	0.43238831	0.48022461	1.00000000	0.38310242
0.41569519	0.43464661	0.42247009	-0.60038757	-0.48117065
-0.60321045	-0.19799805	-0.54637146	-0.47044373	-0.54558105
-0.50487178	0.11659241	0.	0.67312622	0.79811096
0.53739929	0.56089783	0.59440613	0.71940613	0.
-0.61676025	-0.58291626	-0.45652771	-0.72137451	-0.58291626
-0.58291626	-0.45652771	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.44706726	0.19379308	1.00000000	1.00000000	0.28390503
0.33038330	0.3996665	0.34576416	-0.72366333	-0.44285278
-0.64109802	-0.64138794	-0.63252758	0.	-0.71842957
0.	0.	0.	0.70855713	0.70855713
0.58345332	0.71696472	0.70503235	0.57739258	-0.42187500
-0.45811462	-0.63606262	-0.4217500	-0.46603394	-0.46603394
-0.67231750	-0.45764160	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.37396240	0.30020142	0.89646912	0.35864258	0.27473450
1.00000000	0.37109375	0.42483521	-0.59722900	-0.50350952
-0.53146362	-0.46975708	-0.30426025	-0.56138611	-0.54286194
-0.48950195	0.09877014	0.00398254	0.84721375	0.84721375
0.71803284	0.5173828	0.55697632	0.39604187	-0.46177673
-0.46177673	-0.46177673	-0.62754622	-0.46177673	-0.43177673
-0.46177673	-0.60173035	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46728516	0.44248962	0.46594238	0.45671062	1.00000000
0.36447144	0.40061951	0.40246582	-0.53594971	-0.47320557
-0.53178406	-0.53398132	-0.50256348	-0.51447839	-0.52935791
-0.37463379	0.	0.64926147	0.67419434	0.69630536
0.63452448	0.64926147	0.69636536	0.	-0.49041748
-0.59936523	-0.48097229	-0.45277405	-0.48097229	-0.52935791
-0.51332042	-0.45277405	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.43678284	0.58734131	0.34727478	0.59333801	0.49079590
0.4457026	0.48930359	0.40934753	-0.20491028	-0.83969116
-0.31436157	-0.89727783	0.	-0.67117310	-0.82316589
-0.24940491	0.	0.66868591	0.65888777	0.66868591
0.71795654	0.70680237	0.57893372	0.	-0.42927551
-0.48535156	-0.48535156	-0.57794189	-0.47338867	-0.48535156
-0.48535156	-0.57794189	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.50868225	0.49932861	0.49920654	0.39215088	0.53956604
0.53770447	0.53543091	0.48786926	-0.55842590	-0.49398804
-0.35350037	-0.54505920	-0.54631042	-0.54110718	-0.48587036
-0.47570801	0.18357849	0.	0.	0.88374329
0.58058167	0.88374329	0.88374329	0.58456421	-0.42539978
-0.39764404	-0.76541138	-0.74218750	-0.42539978	-0.39764404
-0.39764404	-0.44860840	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.47973633	0.80708313	0.40003967	0.14025879	0.89424133
0.20953369	0.92628479	0.16277649	-0.61737031	-0.56143188
-0.54443032	0.	-0.52668762	-0.63470459	-0.57521057
-0.53973389	0.	0.71582031	0.71582031	0.48710632
0.68667603	0.70779419	0.68667603	0.	-0.42469788
-0.41181946	-0.75163269	-0.1181946	-0.41181946	-0.41181946
-0.75163269	-0.42469788	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.31292725	0.12767029	0.12767029	1.00000000	0.30403137
1.00000000	1.00000000	0.12767029	-0.73764038	0.
0.	-0.69839478	-0.37825012	-0.71156311	-0.73706055
-0.73706055	0.32316589	0.57949829	0.82225037	0.30737305
0.32316589	0.82225037	0.82225037	0.	-0.11744690
-0.73770142	-0.72407532	-0.11744690	-0.11744690	-0.73770142
-0.72407532	-0.72407532	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.25108337	0.39245605	1.00000000	0.27479553	0.35272217
0.34222412	1.00000000	0.38668823	-0.47284513	-0.56172180
-0.47045898	-0.47293091	-0.55612183	-0.52189636	-0.49359131
-0.45033264	0.	0.	0.82530212	0.82530212
0.69879150	0.82530212	0.82530212	0.	-0.42529297
-0.42529297	-0.57305908	-0.57635498	-0.42529297	-0.42529297
-0.57305908	-0.57635498	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50939941	0.47589111	0.47918701	0.53915405	0.51036072
0.49125671	0.47854614	0.51617437	-0.02326965	-0.55186462
-0.60243225	-0.54173279	-0.58969116	-0.55171204	-0.59800720
-0.54125977	0.29225159	0.29225159	0.	0.62355042
0.44653320	0.69845581	0.77146912	0.87547302	0.72247314
-0.43524170	-0.43524170	-0.61994934	-0.80000305	-0.53236389
-0.43524170	-0.32945251	0.	0.	-0.43524170

COMPONENT 54. 1 G-WEIGHTS

0.43177795	0.60536194	0.57865406	0.47161865	0.43177795
0.43463135	0.61012268	0.43576050	-0.4558838	-0.53282166
-0.53260003	-0.43818665	-0.49450684	-0.53184509	-0.52046204
-0.53364561	0.	0.75335693	0.76976013	0.72247314
0.68292236	0.58741760	0.48403931	0.	-0.53236389
-0.43236389	-0.52478027	-0.41426086	-0.52478027	-0.45184326
-0.46721313	-0.53236389	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.29827881	0.27700806	0.99203491	0.34907532	0.35771179
0.47628764	0.84281921	0.40673828	-0.49438477	-0.39309692
-0.50938416	-0.56726674	-0.54411204	-0.53062439	-0.55667114
-0.40242004	0.	0.59416199	0.60594177	0.60418701
0.54145813	0.54414368	0.55590820	0.55418870	-0.48806763
-0.48806763	-0.47485352	-0.47682150	-0.54899597	-0.54704285
	-0.48806763	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48057556	0.48245239	0.54321289	0.54071045	0.49324036
0.46511841	0.54071045	0.45391846	-0.45730591	-0.45182800
-0.5226673	-0.52989197	-0.60461426	-0.45828247	-0.47106934
-0.49389648	0.73179626	0.21830750	0.25299072	0.29972839
0.16222229	0.76649475	0.71543884	0.25299072	-0.80656763
-0.36851591	-0.36851501	-0.41954041	-0.68201904	-0.36851501
-0.41954041	-0.37274170	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.24134827	0.24134827	0.24134827	0.49752808	0.63500977
0.79370117	1.00000000	0.34965515	-0.53742981	-0.71781921
-0.71591187	0.	-0.57879639	-0.71781921	-0.04405212
-7.68812561	0.93206787	0.44136047	0.21032715	0.93206787
0.45225525	0.	0.09982300	0.73206787	0.
-0.77182007	-0.77182007	0.	-0.77182007	-0.77182007
-0.77182007	-0.14053862	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.44612122	0.76443481	0.48121643	0.50340271	0.44482422
0.45478821	0.46060181	0.44456482	-0.53424072	-0.53288269
-0.53027344	-0.35842896	-0.52992249	-0.53343201	-0.52604675
-0.45475769	0.96691895	0.17456055	0.96943665	0.21931458
0.30892944	0.21931458	0.17456055	0.96691895	-0.52239990
-0.62545776	-0.53941345	0.	-0.52239990	-0.62545776
-0.53941345	-0.62545776	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52536011	0.44697571	0.49285889	0.47044473	0.48910522
0.53555298	0.49778748	0.54187012	-0.47656250	-0.47990417
-0.49218750	-0.50555420	-0.55325317	-0.49238586	-0.52352905
-0.47656250	0.50146484	0.41795349	0.65270996	0.56918335
0.35226440	0.43574524	0.56918335	0.50146484	-0.72540283
-0.42485046	-0.42485046	-0.50842285	-0.42485046	-0.64184570
-0.42485046	-0.42485046	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.45962524	0.46176147	0.99264526	0.39352417	0.39485168
0.39375305	0.51350403	0.39031982	-0.13899231	-0.59461975
-0.44081116	-0.59536743	-0.59580994	-0.58531189	-0.45655823
-0.59251404	0.	0.57347107	0.70109558	0.60469055
0.47300720	0.42839050	0.65922546	0.56007385	0.
-0.62629700	-0.62495422	-0.62629700	-0.62629700	-0.38336182
-0.48779297	-0.62495422	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.99659729	0.40274048	0.38212585	0.45658875	0.42770386
0.45858765	0.41624451	0.45938110	-0.61250305	-0.53210449
-0.59815002	-0.38822937	-0.41580200	-0.52360535	-0.47035217
-0.46423828	0.66360474	0.59637451	0.59637451	0.44032788
0.66360474	0.59637451	0.44032788	0.00299072	-0.49154663
-0.47648621	-0.62876892	-0.49154663	-0.49154663	-0.49154663
-0.43696594	-0.49154663	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.43516541	0.41903687	0.40328979	0.43516541	0.41284180
1.00000000	0.43516541	0.45932007	-0.57608032	-0.06597900
-0.58305359	-0.61018372	-0.34944153	-0.58578491	-0.61131287
-0.61813354	0.58564758	0.54783630	0.55476379	0.59259033
0.58564758	0.58564758	0.54783630	0.	-0.48532104
-0.52702332	-0.51936340	-0.48532104	-0.48532104	-0.48532104
-0.48532104	-0.52702332	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.21659851	0.75370789	1.00000000	0.21012878	0.21676636
0.68653870	0.23864746	0.67758179	-0.62019348	-0.62019348
-0.61532593	-0.07929993	-0.59439087	-0.51821899	-0.35258484
-0.59977722	0.00514221	0.87951660	0.03218079	0.95867920
0.39334106	0.42034912	0.42034912	0.89039612	-0.55453491
-0.52975464	-0.52975464	-0.55453491	-0.55453491	-0.55453491
-0.52975464	-0.19255066	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.42778015	0.39096069	0.36750793	0.36750793	1.00000000
0.37593079	0.45492554	0.61534119	-0.62892151	-0.70666504
-0.70666504	-0.5736189	0.	-0.66404724	-0.63630676
0.	0.998779	0.	0.79998779	0.79998779
0.	0.	0.79998779	0.79998779	-0.65882874
-0.67057800	-0.67057800	-0.67057800	-0.65882874	0.
		0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.16355896	1.00000000	0.27543355	1.00000000	0.23962402
0.14009694	0.23176271	1.00000000	-0.26316833	0.
-0.55873108	-0.74641411	-0.69165039	-0.22944641	-0.81678582
-0.67445801	0.	0.	0.74325562	0.74325562
0.61759949	0.66743589	0.74325562	0.48913574	-0.48330688
-0.25683252	-0.64630127	-0.48330688	-0.48330688	-0.44630127
-0.48330688	-0.48330688	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	0.96244812	0.98692322	0.00701904	0.60701904
0.95803223	0.09741047	0.04091734	-0.47161865	-0.55969238
-0.54414360	-0.56832886	-0.54214003	-0.58448792	-0.16691589
-0.56263733	0.	0.89331055	0.84672546	0.48338318
0.01824451	0.01824451	0.89331055	0.84672546	-0.75489807
-0.19647217	0.	-0.75489807	-0.75489807	0.
-0.75489807	-0.78388977	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.18823242	0.06869507	0.14155579	0.38256836	1.00000000
1.00000000	0.21891785	1.00000000	-0.52688599	-0.5826552
-0.54740906	-0.52366638	-0.12884521	-0.51437378	-0.60260010
-0.57333374	0.28126526	0.78982544	0.78982544	0.78982544
0.527057	0.59654236	0.1090745	0.01657104	-0.45132446
-0.45132446	-0.43516541	-0.45132446	-0.45132446	-0.63659668
-0.65438843	-0.48850586	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49923706	0.55229187	0.50288391	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941040	-0.49937439
-0.49449158	-0.51083374	-0.55028992	-0.50572202	-0.48864324
-0.51158142	0.96891785	0.06874084	0.	0.96891785
0.05552673	0.	0.96891785	0.96891785	-0.70959473
-0.63121033	-0.69837952	0.	-0.63121033	-0.61997986
-0.70959473	0.	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.32633972	0.99755859	0.26873779	0.22564697	0.99755859
0.30436707	0.47796631	0.40179443	-0.62245178	-0.71838379
-0.69425474	-0.00709534	-0.06578308	-0.64517920	-0.65281677
-0.65240479	0.	0.	0.82357788	0.75364685
0.82357788	0.82357788	0.75192761	0.02368164	-0.44580078
-0.76600647	-0.42916870	-0.35067749	-0.44580078	-0.76600647
-0.35067749	-0.44580078	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.38832042	0.40676880	0.38502502	1.00000000	0.38043161
0.38357544	0.66691589	0.39896179	-0.74574280	-0.65385437
-0.32601929	-0.74182129	-0.74162292	-0.74871826	0.
-0.04216003	0.92425537	0.36784363	0.	0.70178223
0.92425537	0.38003540	0.	0.70178223	0.
0.	-0.64100647	-0.67948914	-0.67948914	-0.67948914
-0.64100647	-0.67948914	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53840637	0.53179932	0.49191284	0.50077820	0.50970459
0.52146912	0.42916870	0.47671509	-0.45765686	-0.53802490
-0.48503113	-0.47296143	-0.54302979	-0.48635864	-0.48793030
-0.52897644	0.60983276	0.29621887	0.28831482	0.31179810
0.64840698	0.62489319	0.63278198	0.58772278	-0.74914551
-0.39051819	-0.43554688	-0.41398621	-0.74914551	-0.39051819
-0.43554688	-0.43554688	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51277161	0.50227778	0.58833313	0.49153137	0.42825317
0.42089844	0.56159973	0.49436951	-0.08308411	-0.63734436
-0.66065979	-0.64439392	-0.60476885	-0.71427917	-0.64476013
-0.01065063	0.	0.69891357	0.66197205	0.40028381
0.43725586	0.62516785	0.58818054	0.58818054	0.
-0.16685486	-0.57278442	-0.85147095	-0.57278442	-0.61203003
-0.61203003	-0.61203003	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.01770020	0.99835205	0.99835205
0.	0.98141479	0.99835205	0.99835205	0.70898438
0.	0.11053467	0.98141479	0.70013428	0.98141479
0.88143921	0.98141479	0.98141479	0.99835205	0.
0.47940063	0.	0.	0.24844360	0.
0.	0.98141479	0.	0.98141479	0.98141479
0.01919556	0.98141479	0.44839478	0.98141479	0.99835205
0.	0.	0.98141479	0.	0.
0.	0.98141479	0.98141479	0.	0.
0.19123840	0.24836731	0.98141479	0.	0.98141479
0.98141479	0.20223999	0.99690247	0.98141479	0.
0.	0.	0.98141479	0.	0.98141479
0.12059021	0.	0.	0.	0.
-0.61547852	-0.76625061	-0.79341125	-0.01686096	-0.53501892
-0.66343689	-0.24031067	-0.09611511	-0.88725281	-0.76438904
-0.93345642	-0.66698534	-0.77030945	-0.88626099	-0.05718994
-0.36740112	-0.01686096	-0.85569763	-0.87432861	-0.81192017
-0.46841431	-0.93304443	-0.48275757	-0.93083191	-0.79125977
-0.77188110	-0.49877930	-0.48118591	0.	-0.09611511
0.	-0.85427856	-0.70918274	-0.61459351	-0.04949551
-0.05718994	-0.70841980	-0.38994055	-0.79714966	-0.79714966
-0.77215576	-0.89720154	-0.05718994	-0.76928711	-0.76928711
-0.5590100	-0.01686096	-0.75660706	-0.57000732	-0.13909912
-0.81567	-0.29730225	0.	-0.14122009	-0.91358948
-0.14122009	-0.09611511	0.	-0.05718994	-0.14122009
-0.14871216	0.	0.	-0.88313293	-0.80766296
		0.	0.	0.

COMPONENT 2.2 G-WEIGHTS

0.50000000	-0.50000000	0.09725987	0.	C.78744507
0.02163696	0.10595703	0.13082886	0.	0.
0.02163696	0.90385437	0.13316345	0.37556448	C.82186690
0.42828369	0.90738953	0.67698669	0.02163696	C.56123352
0.90271179	0.82031250	0.90234951	0.10781860	0.99951172
0.95085144	0.07440186	0.99951172	C.57490540	0.14036560
0.90238953	0.86128235	0.86128235	0.96522302	C.02163696
0.86128235	0.99951172	0.90913391	0.85687256	C.02163696
0.73080074	0.02163696	0.90238953	0.	C.19619751
0.82186690	0.95685144	0.65769958	0.02163696	0.11313057
0.02163696	0.80201721	C.02163696	0.02163696	C.98271179
0.	0.13954163	0.87666321	0.02163696	0.80456543
0.99951172	0.95085144	0.02163696	0.86128235	-0.90618896
-0.00000000	-0.97307746	-0.12992859	-0.97307746	-0.85980225
-0.97307746	-0.0963897	-0.13383484	-0.97307746	-0.97300720
0.	-0.09796445	-1.00000000	-0.97307746	-0.97300720
-0.0963897	-0.97307746	-0.52258301	-0.81675720	-0.17198191
-0.18193054	-0.0963897	0.	-0.01133728	-0.01133728
-0.05075073	-0.33697510	0.	C.	-0.05075073
-0.97307746	-0.20585632	0.	-0.84626770	-0.80036058
-0.31195068	-0.01133728	-0.13383484	-0.97307746	-0.97300720
-0.14213562	-0.73007720	-1.00000000	-1.00000000	-0.07392883
-0.97307746	-1.00000000	-0.27120972	-0.97300720	-0.18936157
-0.97307746	-0.13383484	-0.17198181	-0.05075073	-0.13383484
-0.61886597	-0.56970215	-0.03138733	-0.97300720	-0.87806702
-0.01133728	0.	-0.33697510	-0.87699990	-0.0963897
MINPS=000000000004	MCYS=000000000013	INDICT=000000000061	0.	0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06328273
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.58521065
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32424669
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.19376472
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25900570
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22638521
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.22638521

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0047014	2. 1	0.1839024	3. 1	0.2541375	4. 1	0.0791111	5. 1	0.
6. 1	0.2172446	7. 1	0.	8. 1	0.1261806	9. 1	0.2826922	10. 1	0.2255365
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0701166	15. 1	0.1502612
16. 1	0.0973181	17. 1	0.2684492	18. 1	0.0972126	19. 1	0.	20. 1	0.1504318
21. 1	0.	22. 1	0.	23. 1	0.0130194	24. 1	0.0885924	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0944781	30. 1	0.1613395
31. 1	0.0820483	32. 1	0.	33. 1	0.	34. 1	0.1959051	35. 1	0.
36. 1	0.	37. 1	0.4115503	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0471307	42. 1	0.0892732	43. 1	0.1071355	44. 1	0.1040811	45. 1	0.1359149
46. 1	0.2112089	47. 1	0.	48. 1	0.	49. 1	0.0927098	50. 1	0.0084044
51. 1	0.0862275	52. 1	0.0801161	53. 1	0.0256235	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1967298	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0406222	67. 1	0.2812058	68. 1	0.	69. 1	0.2100394	70. 1	0.0714748
71. 1	0.	72. 1	0.1288024	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.31174380
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.31174380

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5060723	2. 2	0.4939277	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.50607								
SUM NO. 2 IS	0.49393								

*** 121 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41388808
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96590416
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.51792024
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24191220
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37991622
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31091422
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.31091-22

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.29015872
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.58031747
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.58031747

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.	3. 2	0.	4. 2	0.
5. 2	0.	6. 2	0.	7. 2	0.	8. 2	0.
9. 2	0.	10. 2	0.	11. 2	0.	12. 2	0.
13. 2	0.	14. 2	0.	15. 2	0.	16. 2	0.
17. 2	0.	18. 2	0.	19. 2	0.	20. 2	0.
21. 2	0.	22. 2	0.	23. 2	0.	24. 2	0.
25. 2	0.	26. 2	0.	27. 2	0.	28. 2	0.
29. 2	0.	30. 2	0.	31. 2	0.	32. 2	0.
33. 2	0.	34. 2	0.	35. 2	0.	36. 2	0.
37. 2	0.	38. 2	0.	39. 2	0.	40. 2	0.
41. 2	0.	42. 2	0.	43. 2	0.	44. 2	0.
45. 2	0.	46. 2	0.	47. 2	0.	48. 2	0.
49. 2	0.	50. 2	0.	51. 2	0.	52. 2	0.
53. 2	0.	54. 2	0.	55. 2	0.	56. 2	0.
57. 2	0.	58. 2	0.	59. 2	0.	60. 2	0.
61. 2	0.	62. 2	0.	63. 2	0.	64. 2	0.
65. 2	0.	66. 2	0.	67. 2	0.	68. 2	0.
69. 2	0.	70. 2	0.	71. 2	0.	72. 2	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.000000

*** 122 INPUT VS IDENTIFICATION CORRECT
 NINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11905487
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31855351
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51805215
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41830283
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.41830283

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.30767849
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.40383923
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.95191960
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.17787939
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.17787939

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.	3. 2	0.	4. 2	0.
5. 2	0.	6. 2	0.	7. 2	0.	8. 2	0.
9. 2	0.	10. 2	0.	11. 2	0.	12. 2	0.
13. 2	0.	14. 2	0.	15. 2	0.	16. 2	0.
17. 2	0.	18. 2	0.	19. 2	0.	20. 2	0.
21. 2	0.	22. 2	0.	23. 2	0.	24. 2	0.
25. 2	0.	26. 2	0.	27. 2	0.	28. 2	0.
29. 2	0.	30. 2	0.	31. 2	0.	32. 2	0.
33. 2	0.	34. 2	0.	35. 2	0.	36. 2	0.
37. 2	0.	38. 2	0.	39. 2	0.	40. 2	0.
41. 2	0.	42. 2	0.	43. 2	0.	44. 2	0.
45. 2	0.	46. 2	0.	47. 2	0.	48. 2	0.
49. 2	0.	50. 2	0.	51. 2	0.	52. 2	0.
53. 2	0.	54. 2	0.	55. 2	0.	56. 2	0.
57. 2	0.	58. 2	0.	59. 2	0.	60. 2	0.
61. 2	0.	62. 2	0.	63. 2	0.	64. 2	0.
65. 2	0.	66. 2	0.	67. 2	0.	68. 2	0.
69. 2	0.	70. 2	0.	71. 2	0.	72. 2	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 0.

*** 123 INPUT H6 IDENTIFICATION CORRECT
 NINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51963009
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31285888
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.10608765
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.70947328
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.51116610
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41201250
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46158929
 ** CONTROL=000000000007
 7 BIAS CHANGES


```

LEVEL 1 MS = 0.20000000 BIAS = -1.44158929
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0.1684007 3. 1 0. 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0.6588545 13. 1 0. 14. 1 0.2857841 15. 1 0.
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.3778735
26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
31. 1 0.4137595 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 0.
36. 1 0.1308064 37. 1 0.2513633 38. 1 0. 39. 1 0. 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0.5575529 45. 1 0.
46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.6419039
56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0.4193485 63. 1 0.2545376 64. 1 0. 65. 1 0.8702321
66. 1 0. 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41489993
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.82979989
** CONTROL=000000000003
2 BIAS CHANGES
LEVEL 2 MS = 0.01000000 BIAS = -0.82979989
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0. 2. 2 1.0000000 0. 0 0. 0. 0 0.
SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000
*** 124 INPUT V6 IDENTIFICATION CORRECT
MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27716266
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59841527
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.91966788
** CONTROL=000000000003
3 BIAS CHANGES
LEVEL 1 MS = 0.20000000 BIAS = -0.91966788
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 1.0801068
6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0. 27. 1 1.3002103 28. 1 0. 29. 1 0. 30. 1 0.
31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 1.0481199
36. 1 1.1003751 37. 1 0. 38. 1 0. 39. 1 0. 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.
46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
66. 1 0.7881813 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
** CONTROL=000000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
** CONTROL=000000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
** CONTROL=000000000005
5 BIAS CHANGES
LEVEL 2 MS = 0.01000000 BIAS = -2.74999991
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0.9967213 2. 2 0. 0. 0 0. 0. 0 0.
SUM NO. 1 IS 0.99672
SUM NO. 2 IS 0.
*** 125 INPUT H1 IDENTIFICATION CORRECT
MINPS=000000000013 NCYCS=000000000014 INDICT=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41466486
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22237185
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.03007883
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.62622534
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42429860
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52526197
** CONTROL=000000000007
6 BIAS CHANGES

```


LEVEL 1 MS = 0.20000000 BIAS = -1.52526197

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
11. 1	0.6675957	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.	40. 1	0.
21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
26. 1	0.	32. 1	0.4517888	38. 1	0.	44. 1	0.	49. 1	0.
31. 1	0.1688420	37. 1	0.	43. 1	0.4367656	48. 1	0.3387169	54. 1	0.4745305
36. 1	0.	42. 1	0.	48. 1	0.	53. 1	0.	59. 1	0.
41. 1	0.	47. 1	0.	53. 1	0.	58. 1	0.	64. 1	0.
46. 1	0.	52. 1	0.	58. 1	0.	63. 1	0.	69. 1	0.
51. 1	0.	57. 1	0.	63. 1	0.	68. 1	0.	74. 1	0.
56. 1	0.	62. 1	0.	68. 1	0.	73. 1	0.	79. 1	0.
61. 1	0.5634498	67. 1	0.	73. 1	0.	78. 1	0.	84. 1	0.
66. 1	0.	72. 1	0.	78. 1	0.	83. 1	0.	89. 1	0.
71. 1	0.								

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28483644
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.56966089
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.56966089

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 126 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYES=000000000014 INDICT=0000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31344690
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73876475
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16408859
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.16408859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
11. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
16. 1	0.	22. 1	0.6319851	28. 1	0.	34. 1	0.	40. 1	0.
21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
26. 1	0.	32. 1	0.7164657	38. 1	0.	44. 1	0.	49. 1	0.
31. 1	0.	37. 1	0.	43. 1	0.7733876	48. 1	0.	54. 1	0.
36. 1	0.1512490	42. 1	0.	48. 1	0.	53. 1	0.	59. 1	0.
41. 1	0.	47. 1	0.	53. 1	0.	58. 1	0.	64. 1	0.
46. 1	0.	52. 1	0.	58. 1	0.	63. 1	0.	69. 1	0.
51. 1	0.	57. 1	0.3771640	63. 1	0.	68. 1	0.1579213	74. 1	0.
56. 1	0.	62. 1	0.	68. 1	0.7735559	73. 1	0.9175230	79. 1	0.
61. 1	0.	67. 1	0.	73. 1	0.	78. 1	0.	84. 1	0.
66. 1	0.	72. 1	0.						

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.62499994
 ** CONTROL=000000000005
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.62499994

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0071205	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00712								
SUM NO. 2 IS	0.								

*** 127 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYES=000000000014 INDICT=0000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39941734
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08282129
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.76622525
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42452328
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.42452528

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5010505	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0049264	24. 1	0.5596467	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.5309560	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5752550	42. 1	0.5615257	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6903206	48. 1	0.5318957	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4712604	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.35781412
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.71562525
 ** CONTROL=000000000003
 ** 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.71562525

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	3. 2	0.	4. 2	0.	5. 2	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.000000

*** 128 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36443095
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73392771
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10361446
 ** CONTROL=000000000003
 ** 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.10361446

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3518396
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0200154	19. 1	0.	20. 1	0.
21. 1	1.0578063	22. 1	0.5685351	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7442309	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2232077	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.8124031	58. 1	0.3813553	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5055658
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -16.78257179
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -9.14128578
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.32064289
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.41032144
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.45516071
 ** CONTROL=000000000007
 ** 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.45516071

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9836739	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.

SUM NO. 1 IS 0.9836739
 SUM NO. 2 IS 0.

*** 129 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50204491
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03403874
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56598257
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30001065
 ** CONTROL=000000000007
 ** 4 BIAS CHANGES

LEVEL 1 MS = 0.75000000 BIAS = -1.30001065

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1594021	4. 1	0.6941969	5. 1	0.
6. 1	0.5643440	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0634054
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6815995	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1050326	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2365106
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1107465	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.4037128	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7361234
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.09261176
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.09061174

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9093882	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 0.90939

*** 130 INPUT V3 IDENTIFICATION CORRECT
 NIMPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22220790
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45287544
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60354297
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.70000000 BIAS = -0.60354297

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.9071461	10. 1	0.3594812
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0471779	17. 1	0.6976297	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5091546	29. 1	0.	30. 1	0.
31. 1	0.3382595	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0428930	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6668227	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.6349519
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.87499991
 ** CONTROL=00000000005
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.87499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7664034	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.76640
 SUM NO. 2 IS 0.

*** 131 INPUT H4 IDENTIFICATION CORRECT
 NIMPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44020809
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25365314
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.06709817
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66037567
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.45701441
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55869503
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.55869503

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3772920	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6171148
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6417904
46. 1	0.4521570	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6308739	52. 1	0.6100736	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5748547	68. 1	0.	69. 1	0.6238975	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.51690865
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.00845432
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.25422716
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.63134074
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.44278395
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.44278395

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9150457	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	0.91505								

*** 132 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01371993
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03744383
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03744383

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3794341	3. 1	0.3705409	4. 1	0.	5. 1	0.
6. 1	0.6874539	7. 1	0.	8. 1	0.2412506	9. 1	0.2056557	10. 1	0.2293495
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1402171
16. 1	0.0609882	17. 1	0.1816489	18. 1	0.0371824	19. 1	0.	20. 1	0.1563128
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1715603	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1271147	30. 1	0.0821717
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1803298	35. 1	0.
36. 1	0.	37. 1	0.3002836	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.2150763	43. 1	0.0034700	44. 1	0.0022399	45. 1	0.0277400
46. 1	0.2314167	47. 1	0.	48. 1	0.	49. 1	0.0103726	50. 1	0.1331373
51. 1	0.	52. 1	0.0003013	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1248619	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0905652	67. 1	0.3069591	68. 1	0.	69. 1	0.1661971	70. 1	0.
71. 1	0.	72. 1	0.1573841	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.53228721
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.53228721

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5821985	2. 2	0.4178015	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO. 1 IS	0.58220								
SUM NO. 2 IS	0.41780								

*** 133 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41876620
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97373217
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52869815
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25121516
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38995665
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32058591
 ** CONTROL=000000000007
 6 BIAS CHANGES

71148

17904

LEVEL 1 MS = 0.20000000 BIAS = -1.32058591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9698389	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2730161	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6791850	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6792003	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7479466	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8393012
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2318918	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5923110	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.43106966
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.86213933
** CONTROL=000000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.86213933

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 134 INPUT VS IDENTIFICATION CORRECT
MINPS=000000000002 NCYCS=000000000014 INDICT=000000000001

495
171
128

717

400
373

LEVEL 1 MS = 0.20000000 BIAS = -0.63617910

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.4600364	7. 1	0.	8. 1	1.2696840	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1935274	35. 1	0.0883197
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.7385640	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1727511
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0351741	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -18.91753197
** CONTROL=000000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -10.20976598
** CONTROL=000000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.85438299
** CONTROL=000000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.67719147
** CONTROL=000000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.58954572
** CONTROL=000000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.04429784
** CONTROL=000000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.31644678
** CONTROL=000000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.45252126
** CONTROL=000000000007
10 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.45252126

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9931826	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.99318								
SUM NO. 2 IS	0.								

*** 135 INPUT M6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52330567
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36675657
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.21020752
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.78848206
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57761933
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47216797
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52490364
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.52490364

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1207475	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5809471	13. 1	0.	14. 1	0.3732981	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4042895
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3541362	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.0633305	37. 1	0.1944414	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5674797	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.5737743
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5454968	63. 1	0.2193574	64. 1	0.	65. 1	0.7957874
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28537576
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57075153
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.57075153

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 136 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26886702
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59706522
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92530343
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.92530343

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0744713
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3148810	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0655457
36. 1	1.2019060	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7379050	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999999
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999999
 ** CONTROL=000000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0.4024438 2. 2 0. 0. 0. 0. 0.
 SUM NO. 1 IS 0.40244
 SUM NO. 2 IS 0.
 *** 137 INPUT M1 IDENTIFICATION CORRECT
 MINPS=0000000013 ICYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41788627
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.23830149
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.05871668
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.64850910
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.44340530
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.545 5715
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.54595719
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
 6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
 11. 1 0.6577100 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
 16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.4533960
 21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
 26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.5635286
 31. 1 0. 32. 1 0.4834699 33. 1 0. 34. 1 0. 35. 1 0.
 36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0. 40. 1 0.
 41. 1 0. 42. 1 0. 43. 1 0.6211056 44. 1 0. 45. 1 0.
 46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0.3820973 50. 1 0.
 51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0.4538430 55. 1 0.
 56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
 61. 1 0.5446055 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
 66. 1 0. 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.
 71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.31757265
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.63514534
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.63514534
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0. 2. 2 1.0000000 0. 0 0. 0. 0 0.
 SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.000000
 *** 138 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 ICYCS=00000000014 INDIC=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30128625
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.78192601
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26256576
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02224588
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14240582
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 1.14240582
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
 6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
 11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
 16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0.6046087 20. 1 0.
 21. 1 0. 22. 1 0.7229700 23. 1 0. 24. 1 0. 25. 1 0.
 26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
 31. 1 0. 32. 1 0.7423163 33. 1 0. 34. 1 0. 35. 1 0.
 36. 1 0. 37. 1 0. 38. 1 0.8002087 39. 1 0. 40. 1 0.
 41. 1 0.1511397 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.
 46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.
 51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
 56. 1 0. 57. 1 0.3308517 58. 1 0. 59. 1 0. 60. 1 0.
 61. 1 0. 62. 1 0. 63. 1 0.1152835 64. 1 0.9751449 65. 1 0.
 66. 1 0. 67. 1 0. 68. 1 0.8573968 69. 1 0. 70. 1 0.
 71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44999799
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.44999799
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999799
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.44999799
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.44999799
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.24999799
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -3.2499998

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0117297	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.01173								
SUM NO. 2 IS	C.								

*** 139 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDIC1=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40808037
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11217345
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.81626654
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46422000
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.46422000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6368376	17. 1	0.	18. 1	0.	19. 1	0.0356352	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.5978907	24. 1	0.5070315	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6400526	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5355812	42. 1	0.5308481	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6426814	48. 1	0.5044427	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4929687	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37520728
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.75041457
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.75041457

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 140 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDIC1=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35277820
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75532131
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15786442
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95659287
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05722864
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.05722864

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3565086
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0351369	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1387419	22. 1	0.5957636	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.8352395	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2715003	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.9819569	58. 1	0.4860371	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4887721
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -7.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	1.0914223	2	2	0.	3	0	0.	4	0	0.
2	1	1.09142									

*** 141 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50691921
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04088117
 CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57484314
 CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30786216
 CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30786216

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.	3	1	0.1664275	4	1	0.6882340
6	1	0.4517313	7	1	0.	8	1	0.	9	1	0.
11	1	0.	12	1	0.	13	1	0.	14	1	0.
16	1	0.	17	1	0.	18	1	0.6848946	19	1	0.
21	1	0.	22	1	0.	23	1	0.	24	1	0.
26	1	0.	27	1	0.	28	1	0.1763519	29	1	0.
31	1	0.	32	1	0.	33	1	0.	34	1	0.
36	1	0.	37	1	0.	38	1	0.	39	1	0.
41	1	0.	42	1	0.	43	1	0.	44	1	0.8289029
46	1	0.0922517	47	1	0.	48	1	0.	49	1	0.
51	1	0.	52	1	0.	53	1	0.5006102	54	1	0.
56	1	0.	57	1	0.	58	1	0.	59	1	0.
61	1	0.	62	1	0.	63	1	0.	64	1	0.7277132
66	1	0.	67	1	0.	68	1	0.	69	1	0.
71	1	0.	72	1	0.	73	1	0.	74	1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.19151601
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.38303204
 CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.38303204

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0000000	3	0	0.	4	0	0.
1	1	0.									

*** 142 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23615064
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47575364
 CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71535663
 CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.71535663

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.	3	1	0.	4	1	0.
6	1	0.	7	1	0.	8	1	0.	9	1	0.8899607
11	1	0.	12	1	0.	13	1	0.	14	1	0.
16	1	0.0098888	17	1	0.7269290	18	1	0.	19	1	0.
21	1	0.	22	1	0.	23	1	0.	24	1	0.
26	1	0.	27	1	0.	28	1	0.4912629	29	1	0.
31	1	0.3932033	32	1	0.	33	1	0.	34	1	0.
36	1	0.	37	1	1.0730531	38	1	0.	39	1	0.
41	1	0.	42	1	0.	43	1	0.	44	1	0.
46	1	0.	47	1	0.	48	1	0.	49	1	0.
51	1	0.5695047	52	1	0.	53	1	0.	54	1	0.
56	1	0.	57	1	0.	58	1	0.	59	1	0.
61	1	0.	62	1	0.	63	1	0.	64	1	0.
66	1	0.	67	1	0.	68	1	0.	69	1	0.
71	1	0.	72	1	0.	73	1	0.	74	1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.47997796
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49997796
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49997796
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49997796
 CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99997796
 CONTROL=000000000004
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	15	0.9615171	2	2	0.	3	0	0.	4	0	0.
2	15	0.									

*** 143 INPUT 44 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44017281
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25762609
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.07507935
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66635273
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46198942
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56417108
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.56417108

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.	3	1	0.3411918	4	1	0.
6	1	0.	7	1	0.	8	1	0.	9	1	0.
11	1	0.	12	1	0.	13	1	0.	14	1	0.
16	1	0.	17	1	0.	18	1	0.	19	1	0.
21	1	0.	22	1	0.	23	1	0.	24	1	0.
26	1	0.	27	1	0.	28	1	0.	29	1	0.
31	1	0.	32	1	0.	33	1	0.	34	1	0.
36	1	0.	37	1	0.	38	1	0.	39	1	0.
41	1	0.	42	1	0.	43	1	0.	44	1	0.
46	1	0.4700259	47	1	0.	48	1	0.	49	1	0.
51	1	0.6553774	52	1	0.6117906	53	1	0.	54	1	0.
56	1	0.	57	1	0.	58	1	0.	59	1	0.
61	1	0.	62	1	0.	63	1	0.	64	1	0.
66	1	0.	67	1	0.5662211	68	1	0.	69	1	0.6347655
71	1	0.	72	1	0.	73	1	0.	74	1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.49999996

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0088912	3	0	0.	4	0	0.
15											
2	15	1.00889									

*** 144 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.04026514
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.10081962
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.10081962

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.9150050	3	1	0.5735994	4	1	0.
6	1	0.7493942	7	1	0.	8	1	0.2447824	9	1	0.
11	1	0.	12	1	0.	13	1	0.	14	1	0.
16	1	0.0031589	17	1	0.0651620	18	1	0.	19	1	0.
21	1	0.	22	1	0.	23	1	0.	24	1	0.
26	1	0.	27	1	0.	28	1	0.	29	1	0.2901128
31	1	0.	32	1	0.	33	1	0.	34	1	0.1631684
36	1	0.	37	1	0.2420334	38	1	0.	39	1	0.1537418
41	1	0.	42	1	0.3772663	43	1	0.	44	1	0.
46	1	0.2199127	47	1	0.	48	1	0.	49	1	0.
51	1	0.	52	1	0.	53	1	0.	54	1	0.
56	1	0.	57	1	0.	58	1	0.	59	1	0.
61	1	0.0443739	62	1	0.	63	1	0.	64	1	0.
66	1	0.0312619	67	1	0.3561536	68	1	0.	69	1	0.
71	1	0.	72	1	0.1509380	73	1	0.	74	1	0.1713524

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.65112380
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.1312380
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0.2808847 2. 2 0.7191153 0. 0 0.
 SUM NO. 1 IS 0.28088
 SUM NO. 2 IS 0.71912
 *** 145 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03193627
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.07773675
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.07773675
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 1 0. 2. 1 0.2140345 3. 1 0.1456171 4. 1 0.0055833 5. 1 0.
 6. 1 0.1781794 7. 1 0. 8. 1 0.2882410 9. 1 0.2663089 10. 1 0.2043919
 11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0.1045409 15. 1 0.0679967
 16. 1 0.1259826 17. 1 0.2439738 18. 1 0.1437869 19. 1 0. 20. 1 0.1889938
 21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0.1299681 25. 1 0.
 26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0.1149064 30. 1 0.2191687
 31. 1 0.0404926 32. 1 0. 33. 1 0. 34. 1 0.2102464 35. 1 0.
 36. 1 0. 37. 1 0.3371173 38. 1 0. 39. 1 0. 40. 1 0.
 41. 1 0.0405188 42. 1 0.1909013 43. 1 0.0970208 44. 1 0.0723464 45. 1 0.1207141
 46. 1 0.1839248 47. 1 0. 48. 1 0. 49. 1 0.1183759 50. 1 0.1074741
 51. 1 0. 52. 1 0. 53. 1 0.0521510 54. 1 0. 55. 1 0.
 56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
 61. 1 0.2477920 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.0958409
 66. 1 0.0604871 67. 1 0.2227316 68. 1 0. 69. 1 0.1961814 70. 1 0.0199885
 71. 1 0. 72. 1 0.1558792 0. 0 0. 0. 0 0.
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.25413390
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.25413390
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0.7062761 2. 2 0.2937279 0. 0 0.
 SUM NO. 1 IS 0.70628
 SUM NO. 2 IS 0.29372
 *** 146 INPUT M5 IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42224821
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99403676
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56582531
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27993104
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.27993104
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 1 0. 2. 1 0.9355740 3. 1 0. 4. 1 0. 5. 1 0.
 6. 1 0. 7. 1 0. 8. 1 0.2902877 9. 1 0. 10. 1 0.
 11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
 16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
 21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
 26. 1 0.7198475 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
 31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0.7198628 35. 1 0.
 36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0.8435213 40. 1 0.
 41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.
 46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.9164572
 51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
 56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
 61. 1 0. 62. 1 0. 63. 1 0.3328567 64. 1 0. 65. 1 0.
 66. 1 0. 67. 1 0.6172662 68. 1 0. 69. 1 0. 70. 1 0.
 71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.30790941
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.61581884
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.61581884
 COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
 1. 2 0. 2. 2 1.0000000 0. 0 0.
 SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.00000
 *** 147 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15021898
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40910770
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.66799642
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66799642

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.0765902	7. 1	0.	8. 1	1.3054319	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2530364	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.9786513	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1062516
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9805347	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -12.53572202

** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -7.01786101

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.25893044

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.87946522

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.18973261

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.53459892

** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.36216575

** CONTROL=000000000007

9 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.36216575

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.047482	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05475								
SUM NO. 2 IS	0.								

*** 148 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52658275

** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38858065

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.25057855

** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.81957460

** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60408013

** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.49631040

** CONTROL=000000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.49633040

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1259120	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.6187742	13. 1	0.	14. 1	0.4438388	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4949785
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3777511	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1050592	37. 1	0.2411219	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5930135	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6215587
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5787991	63. 1	0.2728592	64. 1	0.	65. 1	0.8271728
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.10415627

** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.60831256

** CONTROL=000000000003

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.60831256

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	2	1.0000000	0	0	0.
2	1	0.	2	2	1.0000000	0	0	0.
2	1	1.0000000						

*** 149 INPUT V6 IDENTIFICATION CORRECT
 NIMPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26615168
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59758894
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93302600
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.93302600

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.	3	1	0.
6	1	0.	7	1	0.	8	1	0.
11	1	0.	12	1	0.	13	1	0.
16	1	0.	17	1	0.	18	1	0.
21	1	0.	22	1	0.	23	1	0.
26	1	0.	27	1	1.2999056	28	1	0.
31	1	0.	32	1	0.	33	1	0.
36	1	1.1656420	37	1	0.	38	1	0.
41	1	0.	42	1	0.	43	1	0.
46	1	0.	47	1	0.	48	1	0.
51	1	0.	52	1	0.	53	1	0.
56	1	0.	57	1	0.	58	1	0.
61	1	0.	62	1	0.	63	1	0.
66	1	0.7248541	67	1	0.	68	1	0.
71	1	0.	72	1	0.	0	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.9000618	2	2	0.	0	0	0.
2	1	0.90006	2	2	0.	0	0	0.
2	1	0.						

*** 150 INPUT H1 IDENTIFICATION CORRECT
 NEW G-WEIGHTS FROM RESULT OF INPUT 150

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51788330	0.50225830	0.49572754	0.49572754
0.49572754	0.50105286	0.49572754	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48864746	0.48864746	0.48864746	0.51882935
0.48864746	0.48864746	0.51882935	0.51882935	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

1.00000000	0.24597168	0.39845276	1.00000000	0.12857056
0.06465149	0.16230774	1.00000000	-0.77096558	-0.11997986
-0.77096558	-0.75033569	-0.23474121	-0.67408752	-0.66160583
-0.00865173	0.44294739	0.72462463	0.72462463	0.72462463
0.65924072	0.65924072	0.03233337	0.03233337	-0.36474609
-0.49551064	-0.50254822	-0.50500488	-0.50502014	-0.61915588
-0.50254822	-0.50502014	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.52262878	0.50726318	0.36735535	0.48625183	0.20814514
0.51968384	0.96778870	0.42083740	-0.02026367	-0.61338806
-0.13911438	-0.50653076	-0.66151428	-0.96141052	-0.51513672
-0.58261108	0.04295349	0.78259277	0.78259277	0.57048035
0.61938477	0.59161377	0.28073120	0.32962036	-0.43836975
-0.68492126	-0.43836975	-0.45593267	-0.40312195	-0.43836975
-0.45593262	-0.68492126	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.61370850	0.44732666	0.45739746	0.50350952	0.47601318
0.48977661	0.50210571	0.51051331	-0.62817303	-0.00024414
-0.63053894	-0.62506104	-0.67362976	-0.19253540	-0.63059998
-0.61959839	0.50552368	0.50898743	0.51031494	0.49092102
0.48368835	0.49867249	0.50213623	0.49971008	0.
-0.56840515	-0.56744385	-0.58016968	-0.58663940	-0.56527710
-0.56411743	-0.56840515	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.42150508	0.41986084	0.43597522	0.44589233	0.78707776
0.41986304	0.42599182	0.44574084	-0.49053516	-0.52478027
-0.56719971	-0.46719604	-0.59365045	-0.59385681	-0.51745675
-0.29728699	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.53033447
-0.57766724	0.	-0.59466553	-0.53033447	-0.57766724
-0.59466553	-0.59466553	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.43682861	0.29144287	0.	0.91078186	1.00000000
0.36083984	1.00000000	0.00006104	-0.44913147	-0.43613892
-0.45481673	-0.04330444	-0.45439648	-0.51159648	-0.80235291
-0.52622984	0.61846924	0.88676453	0.	0.80398560
0.88676453	0.	0.	0.80398560	0.
-0.64582825	-0.64582825	-0.64323425	-0.64582825	-0.64582825
-0.77342224	0.	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

1.00000000	1.00000000	1.00000000	0.17425537	0.17510986
0.32513428	0.16227722	0.16319275	-0.66517639	0.
-0.66728210	-0.66647339	-0.66802979	-0.66824341	-0.66824341
-0.66477966	0.66311646	0.66320801	0.67375020	0.66320801
0.67375020	0.66253462	0.	0.	-0.48576355
-0.50509644	-0.50131226	-0.50054932	-0.50041199	-0.50509644
-0.50131226	-0.50041199	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.25263377	0.18788147	0.61776733	0.26971436	0.30046082
1.00000000	1.00000000	0.37150574	-0.62919617	-0.08561707
-0.68760681	-0.65232849	-0.65849304	0.	-0.68792775
-0.59880056	0.	0.	1.00000000	1.00000000
0.	1.00000000	1.00000000	0.	-0.57684776
-1.544777	-0.57794189	-0.57684726	-0.56449890	0.
-0.57794189	-0.57794189	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.44911194	1.00000000	1.00000000	0.33091736	0.42466736
0.30329695	0.02485657	0.46710205	-0.58010864	-0.00503540
-0.53218079	-0.46392822	-0.60765076	-0.63201904	-0.61148071
-0.56753540	0.96405029	0.10783386	0.	0.96405029
0.	1.00000000	0.	0.96405029	-0.03517151
-0.49330139	-0.67324829	0.	-0.77853394	-0.67324829
-0.67324829	-0.67324829	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.98841968	0.01617432	0.98826599	0.00315857	0.98826599
0.98826599	0.02378845	0.00561523	-0.64990234	-0.67005920
-0.64898682	-0.67019653	-0.00617981	-0.59542847	-0.00518982
-0.67399597	0.46585083	0.80307007	0.63546753	0.09356580
0.09556580	0.46585083	0.80307007	0.63546753	-0.65496826
-0.58041382	-0.65496826	-0.65461731	-0.02758789	-0.11773259
-0.65496826	-0.65461731	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.36624146	0.35707092	0.35707092	0.26777649	0.34794617
0.30387878	1.00000000	1.00000000	-0.56533813	-0.59078979
-0.56915283	-0.57223511	-0.56651306	-0.55940247	0.
-0.57655334	0.58116150	0.58116150	0.57330322	0.58116150
0.58116150	0.55494690	0.54705811	0.	0.48570251
-0.51708784	-0.52717590	-0.49580383	-0.48570251	-0.46570251
-0.51708784	-0.48570251	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.33164978	0.36506653	0.32752991	0.93023682	1.00000000
0.35954285	0.35882568	0.32710266	0.	0.
-0.76560974	-0.77690125	-0.77334595	-0.23554943	-0.75280762
-0.69573775	0.	0.	0.69229126	0.61944580
0.67015076	0.69229126	0.65563965	0.67015076	-0.44981384
-0.51841736	-0.56629944	-0.49975588	-0.44981384	-0.49975588
-0.56629944	-0.44981384	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.38848877	0.43605042	0.45640564	0.57922363	0.56159973
0.56901550	0.44990540	0.55928040	-0.54269409	-0.47941589
-0.44476110	-0.53431702	-0.45362854	-0.46156311	-0.59751892
-0.49360547	0.20074041	0.91352844	0.48066711	0.20079041
0.60920715	0.91352844	0.48066711	0.20079041	-0.28372192
-0.69435138	-0.96275330	-0.56446838	-0.28372192	-0.69435138
-0.25927734	-0.25927734	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.471111	0.33792114	0.88739014	0.42108154	0.41641235
0.471111	0.40765381	0.41853333	-0.52398682	-0.53462119
-0.54472115	-0.37542725	-0.54115295	-0.46728516	-0.47822471
-0.54472115	0.	0.	0.67765808	0.77061462
0.46586609	0.64062500	0.47435608	0.62084961	-0.08171097
-0.61584473	-0.51213074	-0.51213074	-0.63873101	-0.61584473
-0.51213074	-0.51213074	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.27103192	0.75898743	0.63858037	1.00000000	0.30884409
0.24916077	0.97544497	0.28642273	-0.36256409	-0.52777100
-0.54238832	-0.51799438	-0.51438904	-0.51828813	-0.51722717
-0.48742876	0.01835432	0.64839172	0.70180037	0.46800944
0.64006944	0.64175415	0.64839172	0.02188110	-0.52197282
-0.51925459	-0.51983220	-0.45379639	-0.49272156	-0.51925459
-0.51988220	-0.45379639	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

1.00000000	0.40553284	0.42648152	0.67552185	0.19577824
0.30986023	0.51776123	0.46804155	-0.57611084	-0.54033325
-0.00003657	-0.52931213	-0.59847859	-0.59958130	-0.68578918
-0.59011841	0.53137207	0.51846313	0.71185303	0.54745483
0.53137207	0.51846313	0.64099121	0.	-0.50917853
0.92984309	-0.50917853	-0.49433899	-0.50917853	-0.48785400
-0.48785400	-0.50917853	0.	0.	0.
-0.47723864	-0.50917853	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.54217229	0.48297119	0.48927781	0.49311829	0.49311829
0.51388550	0.47724915	0.50819397	-0.53181458	-0.47555542
-0.44560547	-0.52452087	-0.58035218	-0.41209412	-0.47928227
-0.50082397	0.00001218	0.	0.00001218	0.91912842
0.92984309	0.92984309	0.00001218	0.97930908	-0.70346069
-0.58474731	-0.04713440	-0.70346069	0.	-0.70346069
-0.55421449	-0.70346069	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.43176270	0.37126160	0.50781750	0.53358459	0.42536621
0.51769856	0.49670410	0.51557722	-0.58764648	-0.58836345
-0.46045583	-0.00437927	-0.60037585	-0.58909607	-0.63069153
-0.59849548	0.64880798	0.64880798	0.64880798	0.64880798
0.62202454	0.65017700	0.	0.05253401	-0.48986815
-0.53532410	-0.54667664	-0.40093994	-0.42481995	-0.52032471
-0.53532410	-0.54667664	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.36219768	0.36967668	0.32760620	0.34060669	0.93348530
0.31240645	0.35379028	1.00000000	-0.53764550	-0.48982239
-0.50497437	-0.47972107	-0.49468994	-0.48982134	-0.49932861
-0.51304626	0.	0.99403381	0.99403381	0.36515808
0.65753174	0.98927279	0.	0.	-0.62167195
-0.64555359	-0.00476074	-0.75148010	-0.62167195	-0.00476074
-0.72778120	-0.62167195	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.52557173	0.44168945	0.54025259	0.51968384	0.56492505
0.57084656	0.53780767	0.25721741	-0.56092834	-0.61259460
-0.00718689	-0.56225586	-0.47018433	-0.59843445	-0.57786560
-0.61050415	0.53152983	0.48112488	0.48112488	0.48570251
0.52813721	0.48001099	0.48112488	0.53007507	-0.51502991
-0.51237714	-0.51094055	-0.51502991	-0.51502991	-0.51239014
-0.45458964	-0.46456909	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.22174072	1.00000000	0.22637939	0.42230225	1.00000000
0.56542969	0.31748962	0.24662781	-0.59329224	-0.59329224
-0.56179810	-0.58813586	-0.55236816	0.	-0.55337524
-0.55969238	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	-0.65020752
-0.67666626	-0.67666626	-0.66954041	0.	0.
-0.65020752	-0.67666626	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.0750152	1.00000000	0.08603235	0.08603235	1.00000000
0.25239563	0.08003235	1.00000000	-0.56097412	-0.56555176
-0.57485767	0.	-0.57487488	-0.57395935	-0.57487488
-0.57487488	0.30747986	0.93379211	0.93379211	0.33467102
0.	0.26463318	0.93379211	0.29182434	-0.77606701
-0.77606701	-0.77606201	-0.11462891	0.	0.
-0.77606201	-0.77606201	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.42634543	0.41636167	0.43158106	1.00000000	0.41473389
0.4058777	0.43336487	0.44602966	-0.51145935	-0.43894958
-0.44009705	-0.44337463	-0.55641174	-0.51603699	-0.49021912
-0.55242102	0.79644775	0.79644775	0.82196045	0.82196045
0.75313782	0.	0.	0.	-0.52670288
-0.48851013	-0.49317932	-0.49317932	-0.49317932	-0.49317932
-0.49317932	-0.51881409	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.44607434	0.70724487	0.64407349	0.00997925	0.70188904
0.44244610	0.49707031	0.50013733	0.	-0.59843445
-0.38571167	-0.58887880	-0.64570728	-0.51560974	-0.52359009
-0.74600270	0.03845215	0.71122688	0.44382141	0.45007324
0.71122688	0.71122688	0.46382141	0.45007324	-0.44017029
-0.41934214	-0.42158508	-0.71488733	-0.71888733	0.
-0.41934214	-0.42158508	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.49331360	0.48292542	0.49534607	0.44215393	0.47727966
0.45138550	0.46984863	0.48771667	-0.59344482	-0.45909119
-0.82289592	-0.56430054	-0.09574890	-0.40496826	-0.60961914
-0.65008545	0.74266052	0.66954541	0.61871338	0.60765076
0.74266052	0.61871338	0.	0.	-0.50730896
-0.49568176	-0.43045644	-0.56071472	-0.57234192	-0.42045044
-0.50730896	-0.49568176	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.50004578	0.49243164	0.46974182	0.49780273	0.60090637
0.43420410	0.47483826	0.52999878	-0.51954651	-0.49511719
-0.44900513	-0.52664185	-0.57966614	-0.52882385	-0.38587952
-0.51427405	0.55525208	0.56640625	0.59159851	0.57347107
0.55525208	0.56640625	0.59159851	0.	-0.50308228
-0.50308228	-0.46868896	-0.49400330	-0.54232788	-0.51701355
-0.50308228	-0.46868896	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.34790039	0.44416809	0.34143066	0.34461975	0.62719727
1.00000000	0.34036255	0.55427551	-0.46447754	-0.51635742
-0.50315857	-0.50080872	-0.50643421	-0.51451111	-0.46138000
-0.53283691	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.68225098
-0.64419556	0.	-0.68225098	-0.64419556	-0.68225098
0.	-0.66482544	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.42089844	0.19491577	0.34785461	0.34053040	1.00000000
1.00000000	0.34785461	0.34793091	-0.66256714	-0.60348511
-0.66888428	0.	-0.66036987	-0.66870117	-0.50773621
-0.22821045	0.91011047	0.30317688	0.	0.69331360
0.91011047	0.31674194	0.	0.86650085	-0.06838989
-0.15562439	-0.07728577	0.90533447	-0.07728577	-0.90533447
-0.90533447	-0.90533447	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.69999695	0.32666016	0.36184692	0.33503232	0.49617004
0.42280579	0.98789978	0.36894226	-0.50840759	-0.00598145
-0.63687561	-0.61341858	-0.60127258	-0.61512756	-0.60392761
-0.39495850	0.66159058	0.55839539	0.7213196	0.73213196
0.64482117	0.65130615	0.00976563	0.00976563	-0.47451782
-0.47772217	-0.47772217	-0.46487427	-0.57839966	-0.57110596
-0.47772217	-0.47772217	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.39141846	0.43334961	0.99812317	0.46820068	0.43556213
0.46234131	0.38433834	0.42662048	-0.62550354	-0.56842041
-0.56888426	0.	-0.46459961	-0.56282043	-0.61764526
-0.59239197	0.	0.07952881	0.62800598	0.70318005
0.72708130	0.62800598	0.61915588	0.61799622	-0.44204712
-0.52397156	-0.52397156	-0.47483826	-0.49279785	-0.52397156
-0.52557373	-0.49279785	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.12216187	0.23931885	0.26591492	1.00000000	1.00000000
0.56661799	0.21589661	0.29014587	-0.79014587	-0.85847473
-0.80152893	-0.25537109	0.	-0.79591170	-0.49851990
0.	0.45564270	0.48564148	0.48690906	0.89865112
0.89865112	0.41411316	0.	0.35736084	0.06632996
-0.47862244	-0.17030334	-0.81822205	-0.77502441	-0.14077759
-0.77502441	-0.77502441	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

1.00000000	0.20140076	0.21939087	0.22843933	1.00000000
0.23500061	0.89955657	0.21589661	-0.89099121	-0.21684265
-0.89570618	0.	-0.05464172	-0.90599060	-0.13354492
-0.90225220	0.	0.	0.99542236	0.99542236
0.01228333	0.00598145	0.99542236	0.99542236	-0.18511963
-0.77522278	0.	-0.74618530	-0.77201843	-0.74618530
-0.77522278	0.	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49591064	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510193	-0.51829529	-0.50646973	-0.44956970	-0.51062012
-0.51167788	0.44557190	0.44557190	0.45069885	0.56948853
0.49880481	0.56948853	0.56948853	0.45069885	-0.51136780
-0.51136780	-0.50627136	-0.50627136	-0.43554688	-0.51136780
-0.50627136	-0.51136780	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.53688049	0.41259766	0.48286438	0.54896545	0.48971558
0.43533325	0.63305664	0.46055603	-0.51477051	-0.53416443
-0.52619434	-0.51370239	-0.41378784	-0.49182129	-0.52169373
-0.50379944	0.75979614	0.42240906	0.40872192	0.47755432
0.75831604	0.40156555	0.77160645	0.	-0.61492920
-0.61369324	-0.61492920	-0.22370911	-0.59733582	-0.61492920
-0.54638672	-0.17404175	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53240596	0.45263672	0.44818115	0.44012451	0.43266296
0.56570435	0.42224121	0.70591736	-0.36796570	-0.54162598
-0.54162598	-0.45307922	-0.51177246	-0.55357361	-0.55865479
0.	0.79998779	0.	0.79998779	0.79998779
-0.68310547	0.79998779	0.	0.79998779	-0.68310547
-0.42251587	-0.68310547	0.	-0.68310547	-0.42251587
	-0.42251587	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.76521082	1.00000000	1.00000000	0.13177490	0.26562500
0.11085510	0.06222534	0.66027832	-0.68185425	-0.48959551
-0.68890381	-0.67411804	-0.69665527	-0.42207336	-0.26684570
-0.07991028	1.00000000	0.	0.	1.00000000
1.00000000	0.	0.	1.00000000	-0.37715149
-0.65177917	-0.65177917	0.	-0.37715149	-0.65177917
-0.65177917	-0.63858032	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.43759155	0.80906677	0.45899463	1.00000000	0.43428040
0.48350525	0.31617737	0.0634951	-0.72001648	-0.74353027
-0.72102356	-0.70080506	-0.0118469	-0.0118469	-0.74270630
-0.34951762	0.	0.84346008	0.07553101	0.96014404
0.96014404	0.20053101	0.96014404	0.	-0.6905153
-0.09184265	-0.51222229	-0.70530701	-0.69059753	-0.09184265
-0.51222229	-0.70530701	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.60267476	0.34330750	1.00000000	0.35795593	0.59014893
0.34330750	0.34330750	0.41848755	-0.65229797	-0.01022339
-0.65229797	-0.65022278	-0.65219116	-0.36148071	-0.49563599
-0.52563477	0.68215942	0.84736633	0.	0.
0.68218794	0.84736633	0.09350586	0.84736633	-0.63818359
-0.63822137	-0.04341125	-0.63822937	-0.63822937	-0.12722778
-0.63822937	-0.63822937	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.57408142	0.38677979	0.39099121	0.42958069	0.38554382
0.44874573	1.00000000	0.38423157	-0.51992798	-0.52639771
-0.44110107	-0.46208191	-0.46861267	-0.53985596	-0.50108337
-0.54087810	0.	0.67765808	0.64932251	0.65882874
0.67765808	0.65882874	0.67765808	0.	-0.52671814
-0.50349426	-0.47740173	-0.47509766	-0.51704407	-0.52671814
-0.49609375	-0.47740173	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.34913635	1.00000000	0.33897400	0.35858154	0.39852905
0.49884033	0.70912007	0.34658813	-0.57031250	-0.57539368
-0.58058167	-0.58058167	-0.54084778	0.	-0.57138062
-0.58085632	0.55958557	0.55836487	0.56895447	0.57260132
0.58514404	0.57260132	0.58270264	0.	-0.50021362
-0.48608398	-0.48895264	-0.48895264	-0.51704407	-0.48608398
-0.51559448	-0.51704407	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48156738	0.52226257	0.48623657	0.48667908	0.63352966
0.38471785	0.49052429	0.51445007	-0.54945374	-0.55920410
-0.54592846	-0.62742126	-0.57290649	0.	-0.56431580
-0.58572388	0.60151672	0.60151672	0.55459595	0.54025269
0.60342407	0.55648804	0.54716003	0.	-0.46777234
-0.46977234	-0.52604675	-0.47026062	-0.46977234	-0.52604675
-0.52604675	-0.54222107	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

1.00000000	0.19642639	0.32411194	0.51866150	0.24641418
0.19642639	0.77510071	0.46708679	-0.67689514	-0.67840576
-0.71629333	-0.05437195	-0.70732117	-0.37422180	-0.73278809
-0.05465698	0.99227905	0.01026717	0.01026917	0.99227905
0.99227905	0.01026917	0.	0.99227905	-0.84368896
-0.78907776	-0.78907776	0.	0.	-0.78907776
-0.78907776	0.	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

1.00000000	0.30407715	0.39567566	0.29603577	0.99937439
0.31921387	0.36557007	0.32003784	-0.53746013	-0.34466553
-0.47192383	-0.50706372	-0.53777588	-0.52961134	-0.57556152
-0.49884033	0.58290100	0.58290100	0.58653254	0.59037781
0.48586121	0.53549031	0.53549031	0.	-0.49838257
-0.49838257	-0.50407410	-0.49486267	-0.49838257	-0.49838257
-0.50407410	-0.49838257	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.42291260	0.44473267	0.51100159	1.00000000	0.36555481
0.41676331	0.42672729	0.41227722	-0.66592407	-0.54971313
-0.65965271	0.	-0.59458123	-0.29522705	-0.66194153
-0.57245449	0.	0.	0.66490662	0.73434448
0.66490662	0.61206055	0.62734175	0.69377136	0.
-0.60469873	-0.58612061	-0.57047724	-0.59692383	-0.58612061
-0.58612061	-0.52047724	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.49015808	0.14897156	1.00000000	1.00000000	0.26560974
0.32525635	0.42301941	0.34696960	-0.69584656	-0.65626526
-0.65475464	-0.65499878	-0.64732361	0.	-0.69079590
0.	0.04006958	0.04006958	0.63790894	0.63790894
0.68441772	0.64256287	0.63595581	0.68106079	-0.48301697
-0.50477600	-0.49189758	-0.48301697	-0.50955200	-0.50955200
-0.51365662	-0.50448608	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.35308838	0.31886292	0.99302673	0.33702087	0.24913025
0.99237061	0.35006714	0.40638733	-0.59690857	-0.51376343
-0.54029846	-0.48171997	-0.30564880	-0.52294922	-0.53822327
-0.50045776	0.00924683	0.06742859	0.77525330	0.77525330
0.80644226	0.49864197	0.51449585	0.55320740	-0.51101685
-0.51101685	-0.51101685	-0.47526550	-0.51101685	-0.51101685
-0.51101685	-0.45855713	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46965027	0.44332886	0.46823120	0.45841980	1.00000000
0.36054993	0.39891052	0.40087891	-0.53422546	-0.47450256
-0.53025818	-0.53234863	-0.50244141	-0.51757813	-0.52793884
-0.38066101	0.	0.65693665	0.67086792	0.68327337
0.64868164	0.65693665	0.68327337	0.	-0.49404907
-0.56161499	-0.48818970	-0.47071838	-0.48818970	-0.51820374
-0.50825500	-0.47071838	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.42849731	0.59880066	0.32723999	0.60559082	0.71583557
0.43865967	0.48789978	0.39734568	0.	-0.93736267
-0.38954163	-0.99740601	0.	-0.75169373	-0.92013550
-0.00382996	0.	0.66793823	0.66172894	0.66793823
0.69885254	0.69184875	0.61160278	0.	-0.45167542
-0.48999023	-0.48999023	-0.55325317	-0.48181152	-0.48999023
-0.48999023	-0.55325317	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.49804688	0.50137329	0.51274109	0.42396545	0.52931213
0.52745056	0.52514648	0.48191833	-0.56495667	-0.51756287
-0.22059631	-0.56124878	-0.56651306	-0.56068420	-0.50933838
-0.49905396	0.	0.03930664	0.03930664	0.82955933
0.71482849	0.82955933	0.82955933	0.71781921	-0.46896362
-0.44755554	-0.62519836	-0.60726929	-0.46896362	-0.44755554
-0.44755554	-0.46896362	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.54261780	1.00000000	0.41102600	0.	1.00000000
0.04634094	1.00000000	0.	-0.58889771	-0.56762695
-0.55604553	-0.00805664	-0.54331970	-0.62037659	-0.56315613
-0.55247498	0.03898621	0.63652039	0.63652039	0.57136536
0.74020275	0.63652039	0.74002075	0.	-0.32171631
-0.51850891	-0.64125061	-0.51850891	-0.51850891	-0.51850891
-0.64125061	-0.32171631	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.51876831	0.00340271	0.00340271	1.00000000	0.47099304
1.00000000	1.00000000	0.00340271	-0.71900940	0.
0.	-0.69186401	-0.44320679	-0.70208740	-0.72189331
-0.72189331	0.32998657	0.50445557	0.82818604	0.35095215
0.32998657	0.82818604	0.82818604	0.	-0.11820984
-0.71878052	-0.73593140	-0.11820984	-0.11820984	-0.71878052
-0.73593140	-0.73593140	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.23963928	0.39764404	1.00000000	0.26454163	0.35714722
0.34800720	1.00000000	0.39299011	-0.47283936	-0.55107117
-0.47567749	-0.47796631	-0.55104065	-0.52328491	-0.49102783
-0.45704651	0.	0.	0.80041504	0.80041504
0.79829407	0.80041504	0.80041504	0.	-0.45610046
-0.45610046	-0.55767872	-0.53009033	-0.45610046	-0.45610046
-0.55767872	-0.53009033	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51008606	0.47454834	0.47802734	0.54125977	0.51091003
0.49075317	0.47734070	0.51704407	-0.00073242	-0.55122375
-0.60131836	-0.54801941	-0.59112549	-0.55764771	-0.60231018
-0.54757640	0.08181763	0.08181763	0.01927185	0.75518799
0.62446544	0.77223206	0.82615667	0.83901978	-0.51676941
-0.46110535	-0.46110535	-0.56101990	-0.69587708	-0.46110535
-0.46110535	-0.38185120	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43177795	0.60516194	0.57865906	0.47161865	0.43177795
0.43463135	0.61012768	0.43576050	-0.41558838	-0.53282166
-0.53260803	-0.43818665	-0.49450684	-0.53184509	0.52046204
-0.53364563	0.	0.72151074	0.73425293	0.70326233
0.67732239	0.61470032	0.54692078	0.	-0.52233396
-0.52293346	-0.51754761	-0.43925476	-0.51754761	-0.46588135
-0.49043628	-0.52293396	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.25126648	0.23014832	0.39745178	0.30165100	0.31022644
0.42785645	0.84259338	0.58877563	-0.49485779	-0.40211487
-0.50859070	-0.56158447	-0.54220581	-0.52803040	-0.55189514
-0.41067505	0.	0.58111572	0.58612061	0.58538818
0.55865479	0.55479919	0.56481934	0.56407166	-0.49446106
-0.49446106	-0.48834229	-0.48927307	-0.52268982	-0.52178955
-0.49446106	-0.49446106	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48057556	0.48245239	0.54321289	0.54071045	0.49324036
0.46511941	0.54071045	0.45391846	-0.45730591	-0.45182800
-0.53286743	-0.52989197	-0.60461426	-0.45828247	-0.47106934
-0.49389648	0.73179626	0.21830750	0.25299072	0.29972839
0.76222229	0.76649475	0.71543884	0.25299072	-0.80056763
-0.36851501	-0.36851501	-0.41954041	-0.88201904	-0.36851501
-0.41954041	-0.37274170	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.15171814	0.15171814	0.15171814	0.51573181	0.72344971
1.00000000	1.00000000	0.30563354	-0.55850220	-0.70404053
-0.70249939	0.	-0.59187317	-0.70404053	-0.05888367
-0.68009949	0.89416504	0.65472412	0.	0.89416504
0.66276550	0.	0.	0.89416504	0.
-0.75532532	-0.75532532	0.	-0.75532532	-0.75532532
-0.75532532	-0.22337341	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.43241882	0.86206055	0.46701050	0.48886108	0.43112183
0.44094849	0.44667053	0.43087769	-0.53373718	-0.53240967
-0.52983043	-0.36047363	-0.52749524	-0.53294373	-0.52566528
-0.45541382	1.00000000	0.12059021	1.00000000	0.19995117
0.35888672	0.19995117	0.12059021	1.00000000	-0.53108215
-0.61589050	-0.54507446	0.	-0.53108215	-0.61589050
-0.54507446	-0.61589050	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52536011	0.44697571	0.49285889	0.47044373	0.48910522
0.53555298	0.49778748	0.54187012	-0.47656250	-0.47990417
-0.49218750	-0.50555420	-0.55325317	-0.49238586	-0.52329055
-0.47656250	0.50146484	0.41795349	0.65270996	0.56918335
0.35226440	0.43574524	0.56918335	0.50146484	-0.72540283
-0.42485046	-0.42485046	-0.50842285	-0.42485046	0.64184570
-0.42485046	-0.42485046	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.45912170	0.46130771	1.00000000	0.39181519	0.39314270
0.39204407	0.51400757	0.38853455	-0.14526367	-0.59297180
-0.44183350	-0.59370422	-0.59414673	-0.58383179	-0.45730591
-0.59089661	0.	0.57255554	0.64302063	0.58979797
0.51707458	0.49244690	0.61990356	0.56515503	0.
-0.60171509	-0.60098267	-0.60171509	-0.60171509	-0.46759033
-0.60171509	-0.60098267	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.39910889	0.37600708	0.45942688	0.42704773
0.46163940	0.41421509	0.46252441	-0.60681316	-0.53858948
-0.59608434	-0.34616089	-0.38727229	-0.56585693	-0.50103760
-0.45840454	0.56753540	0.51710510	0.51710510	0.65679932
0.56753540	0.51710510	0.65679932	0.	0.
-0.5168114	-0.37370300	-0.52589417	-0.52589417	-0.52589417
-0.47994795	-0.52589417	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.43562317	0.41836548	0.40153503	0.43562317	0.41174316
1.00000000	0.43562317	0.46145630	-0.58503723	0.
-0.59179688	-0.61804199	-0.36581421	-0.59443665	-0.61912537
-0.62571716	0.57775879	0.56089783	0.56399536	0.58087158
0.57775879	0.57775879	0.56089783	0.	-0.49290466
-0.51304626	-0.50933838	-0.49290466	-0.49290466	-0.49290466
-0.49290466	-0.51304626	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.12072754	0.87864685	0.92489624	0.11453247	0.12088013
0.89644963	0.14190674	0.80186662	-0.64115906	-0.64115906
-0.61676453	0.	-0.61795044	-0.54945374	-0.29072571
-0.62277222	0.03707886	0.63615417	0.04768372	0.90855408
0.56027222	0.57566833	0.57566833	0.65888477	-0.56608582
-0.55229187	-0.55229187	-0.56608582	-0.56608582	-0.56608582
-0.55229187	-0.07873535	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.42758179	0.38166809	0.35241699	0.35241699	1.00000000
0.36291504	0.46144104	0.66152954	-0.63352966	-0.70179749
-0.70179749	-0.65849304	0.	-0.66436768	-0.63999939
0.	0.74498779	0.	0.79988779	0.79988779
0.	0.	0.79988779	0.79988779	-0.66226196
-0.66885376	-0.66885376	-0.66885376	-0.66226196	0.
		0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.01713562	1.00000000	0.29621887	1.00000000	0.30297607
0.	0.32365417	1.00000000	-0.13076782	0.
-0.62806702	-0.75938416	0.72930908	-0.21504211	-0.80839539
-0.72900391	0.	0.	0.67346191	0.67346191
0.68609619	0.65731323	0.67346191	0.64117432	-0.50669861
-0.42698669	-0.51972961	-0.50669861	-0.50669861	-0.51972961
-0.50669861	-0.50669861	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	1.00000000	1.00000000	0.	0.
1.00000000	0.	0.	-0.50753784	-0.56486511
-0.55628967	0.56953430	-0.55537415	-0.57623291	-0.10366821
-0.56645203	0.	0.90779114	0.71942139	0.74557695
0.	0.	0.90779114	0.71942139	-0.78158569
-0.12390137	0.	-0.78158569	-0.78158569	0.
-0.78158569	-0.74275586	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.17375183	0.00910950	0.12348938	0.49281311	1.00000000
1.00000000	0.2053727	0.99508667	-0.55586243	-0.60540771
-0.57405040	-0.55302429	0.	-0.52388000	-0.59138489
-0.59634399	0.03833008	0.0642090	0.70642090	0.70642090
0.72348022	0.71591187	0.18135071	0.22163391	-0.50224304
-0.50224304	-0.49731445	-0.50224304	-0.50224304	-0.49037170
-0.49578857	-0.50750732	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49923706	0.55229187	0.50288191	0.49093628	0.48864746
0.49101257	0.48907471	0.48611287	-0.48941040	-0.49937439
-0.49449158	-0.51083374	-0.50028497	-0.50572205	-0.48869324
-0.51158142	1.00000000	0.	0.	1.00000000
0.	0.	1.00000000	1.00000000	-0.69424438
-0.64389038	-0.68704224	0.	-0.64389038	-0.63667297
-0.69424438	0.	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.33686829	1.00000000	0.22705078	0.19296265	0.99737549
0.28919983	0.53414917	0.42234807	-0.64758301	-0.67721558
-0.69252014	-0.00547791	0.	-0.66256714	-0.67361450
-0.64099121	0.06423950	0.06423950	0.75129700	0.80877686
0.75129700	0.75129700	0.80877686	0.	-0.51089478
-0.53347778	-0.50025940	-0.45002747	-0.51089478	-0.53347778
-0.45002747	-0.51089478	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.37599182	0.39544678	0.36505127	1.00000000	0.35899353
0.36741638	0.76260376	0.37370300	-0.77628222	-0.69372559
-0.15940857	-0.77291870	-0.76728821	-0.77911377	0.
-0.05107117	0.91752625	0.52148438	0.	0.55662537
0.91752625	0.53018188	0.	0.55662537	-0.00337219
0.	-0.63829041	-0.68000793	-0.68000793	-0.68000793
-0.63829041	-0.68000793	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53840637	0.53179932	0.49191284	0.50077820	0.50970459
0.52146912	0.42916870	0.47671509	-0.45765686	-0.53802490
-0.48503113	-0.47296143	-0.54302979	-0.48635864	-0.48793030
-0.52897644	0.60983276	0.29621887	0.28931482	0.31179810
0.64840698	0.62419319	0.63278198	0.58772278	-0.74914551
-0.39051819	-0.43554688	-0.41398621	-0.74914551	-0.39051819
-0.43554688	-0.43554688	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.50329590	0.49613953	0.58485413	0.48686218	0.44290161
0.41860962	0.58328247	0.48353577	-0.01065063	-0.66142273
-0.68400574	-0.66824341	-0.62985229	-0.67478943	-0.66860962
-0.00187683	0.05725098	0.61647034	0.59107971	0.53163147
0.55706787	0.56576538	0.54034424	0.54034424	-0.02600098
0.	-0.63758850	-0.70733643	-0.63758850	-0.66381836
-0.66381836	-0.66381836	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.05268860	1.00000000	1.00000000
0.	1.00000000	1.00000000	1.00000000	0.98477173
0.	0.	0.98477173	0.73815918	0.98477173
1.00000000	1.00000000	1.00000000	1.00000000	0.
1.00000000	0.	0.	0.	0.
0.	0.98478649	0.	1.00000000	1.00000000
0.04840088	0.99478649	0.	1.00000000	1.00000000
0.	0.	0.98477173	0.98477173	0.
0.	1.00000000	0.98478649	0.	0.
0.	0.27635143	0.98478649	0.	0.98478649
0.98478649	0.	1.00000000	1.00000000	0.00810078
0.	0.	0.98478649	0.	0.98477173
0.	0.	0.	0.	-0.26977539
-0.07392883	-0.81057739	-0.82655134	-0.10295105	-0.69952193
-0.57940674	-0.19618225	-0.17968750	-0.87480164	-0.13984680
-0.62879944	-0.71149878	-0.74148460	-0.68229675	-0.83609009
-0.84854431	-0.10295105	-0.85858154	-0.86817932	-0.82543945
-0.30242420	-0.89831543	-0.49429121	-0.89717102	-0.17968750
-0.27192688	-0.67443848	-0.39128113	-0.03804016	-0.03804016
-0.56282043	-0.85784912	-0.78327942	-0.68432617	-0.74328613
-0.06680298	-0.78291321	-0.18591309	-0.75944873	-0.81416321
-0.13484680	-0.86734009	-0.13484680	-0.66444397	-0.17968750
-0.75418041	-0.07542847	-0.80764771	0.	-0.84832092
-0.54246521	-0.47172546	-0.06680298	-0.13484680	0.
-0.83801270	0.	-0.06680298	-0.85003662	-0.83802827
0.	0.	0.	0.	0.
-0.38729858	0.	0.	0.	0.

COMPONENT 2.2 G-WEIGHTS

0.50000000	-0.50000000	0.	0.	0.87414551
0.	0.06727600	0.	0.09246826	0.
0.22171021	0.86553955	0.32286072	0.68511963	0.94960022
0.17837524	0.78961182	0.80763245	0.	0.29347229
0.92707825	0.68899536	0.82321167	0.61958313	0.92720032
0.88963318	0.00373840	0.93685913	0.81604004	0.18447876
0.84068298	0.99171448	0.99171448	0.94960022	0.
0.99171448	0.88435364	0.90116882	0.73435974	0.
0.72251892	0.	0.99171448	0.10121155	0.
0.94960022	0.88233948	0.94960022	0.	0.
0.	0.77430725	0.	0.	0.92605591
0.	0.	0.79702759	0.	0.94960022
0.82455970	0.88963318	0.	0.99171448	-0.93669434
-0.98669434	-0.98669434	-0.13237000	-0.98669434	-0.86651611
-0.98669434	-0.16589355	0.	-0.98669434	-0.75231934
-0.12268066	-0.14279175	-0.98669434	-0.60256958	-0.04188538
0.	-0.98669434	-0.78126526	-0.98669434	-0.08357239
-0.31314087	-0.18260193	-0.09210205	-0.18026733	-0.11976624
-0.11976524	-0.04188538	-0.08357239	-0.76239014	-0.98669434
-0.98669434	-0.22961426	0.	-0.98669434	-0.98669434
0.	-0.08357239	-0.88722229	-0.98669434	-0.10655212
-0.26828003	-0.98669434	-0.30438232	-0.98669434	-0.04188538
-0.98669434	-0.87220764	-0.04188538	-0.12673950	0.
-0.98669434	0.	-0.22320557	-0.98669434	-0.98669434
-0.29974365	-0.79817200	-0.23495483	-0.91075134	-0.16589355
-0.08357239	0.	0.	0.	0.

MINPS=00000000013 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41696277
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24645711
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.07595146
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66120429
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.45383072
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55751750
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.55751750

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6676227	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6377629	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4415702
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5245295
31. 1	0.1447588	32. 1	0.5163075	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6077043	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3859618	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4422750	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5307392	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28761274
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57522550
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.57522550

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.00000

*** 151 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.29577608
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77266730
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24955852
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01111291
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14033572
 ** CONTROL=000000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.13033572

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.5863173	20. 1	0.
21. 1	0.	22. 1	0.7650933	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.7711590	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1435201	37. 1	0.	38. 1	0.8007000	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2043776	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0082003	64. 1	0.98379.9	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8694669	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.24999988
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.24999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9262194	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92622								
SUM NO. 2 IS	0.								

*** 152 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40991203
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11827530
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.87663856
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47245693
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47245693

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6283976	17. 1	0.	18. 1	0.	19. 1	0.0320750	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6515739	24. 1	0.5057388	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6192418	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5273290	42. 1	0.5178209	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6310105	48. 1	0.5222096	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0237344	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4844300	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.33149064
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.66298129
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.66298129

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 153 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15169713
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71913535
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12657158
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.12657358

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3232757
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.0703862	22. 1	0.4686609	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7627225	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1958117	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.9926170	58. 1	0.4058452	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3438192
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9217680	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92177								
SUM NO. 2 IS	0.								

*** 154 INPUT H3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51043223
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05450608
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.59857993
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32654300
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.32654300

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2103520	4. 1	0.6717322	5. 1	0.
6. 1	0.5310434	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8093910
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6462806	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1568836	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.8024992
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0404899	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 2	0.	52. 1	0.	53. 1	0.5816856	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7051099
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.26912341
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53824683
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.53824683

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0922494	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.09225								
SUM NO. 2 IS	1.00000								

*** 155 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24191338
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47136828
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70082319
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93027809
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.81555064
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75818692
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.75818692

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.8152718	10. 1	0.4010200
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.6376022	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4782539	29. 1	0.	30. 1	0.
31. 1	0.3803018	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0090204	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5084932	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.7296652
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.499 388
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9370617	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93706								
SUM NO. 2 IS	0.								

*** 156 INPUT H4 INCENTIFICATION CORRECT
 MINPS=000000000005 NCYCS=0000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43969879
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25950907
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.07931936
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66941422
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46446165
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56693794
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.56693794

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3727427	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6051063
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6403308
46. 1	0.4977138	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6522671	52. 1	0.6181287	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5803002	68. 1	0.	69. 1	0.6189430	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -63.01800108
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -31.75900054
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -16.12950015
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -8.31475008
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.40737504
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.45368755
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.47684379
 ** CONTROL=000000000007
 8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.47684379

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0152220	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.01522								

*** 157 INPUT V4 INCENTIFICATION CORRECT
 MINPS=000000000004 NCYCS=0000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.03517036
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07376751
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.07376751

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3841961	3. 1	0.2048388	4. 1	0.	5. 1	0.
6. 1	0.5451633	7. 1	0.	8. 1	0.3294870	9. 1	0.1460652	10. 1	0.2192605
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1267226	15. 1	0.
16. 1	0.0434762	17. 1	0.1470944	18. 1	0.1273209	19. 1	0.	20. 1	0.2223547
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.2125937	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1352692	30. 1	0.1929072
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1747249	35. 1	0.
36. 1	0.	37. 1	0.2445222	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4448286	43. 1	0.0050749	44. 1	0.	45. 1	0.0350049
46. 1	0.1600478	47. 1	0.	48. 1	0.	49. 1	0.0506343	50. 1	0.1113551
51. 1	0.	52. 1	0.	53. 1	0.0071248	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1933899	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0110441	67. 1	0.2320744	68. 1	0.	69. 1	0.1673496	70. 1	0.
71. 1	0.	72. 1	0.1815205	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.60431367
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.60431367

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7043834	2. 2	0.2956166	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.70438								
SUM NO. 2 15	0.29562								

*** 158 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42429507
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01442984
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60456461
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30949722
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30949722

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9921574	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2943376	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6903042	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6903042	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.8130374	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8899299
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.4021277	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6130744	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.38750306
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.77500613
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.77500613

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.00000								

*** 159 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000002 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16055848
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44954447
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73864647
 ** CONTROL=000000000003
 1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.73864047

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	1.3412779	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
11. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.0693702	40. 1	0.
21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
26. 1	0.	32. 1	0.	38. 1	0.	44. 1	0.	50. 1	0.0391547
31. 1	0.	37. 1	0.	43. 1	0.	49. 1	0.	55. 1	0.
36. 1	0.	42. 1	1.0830273	48. 1	0.	54. 1	0.	60. 1	0.
41. 1	0.	47. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
46. 1	0.	52. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
51. 1	0.	57. 1	0.	63. 1	0.	69. 1	0.	0. 0	0.
56. 1	0.	62. 1	0.	68. 1	0.	0. 0	0.	0. 0	0.
61. 1	0.	67. 1	0.	0. 0	0.				
66. 1	0.9720591	72. 1	0.						
71. 1	0.								

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9093270	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.90933								
SUM NO. 2 IS	0.								

*** 160 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52788053
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41767141
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.30746228
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.86256686
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.64011915
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52889530
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.52889530

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.0907044	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.4944703	30. 1	0.
11. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.4667506
16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.	40. 1	0.
21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
26. 1	0.	32. 1	0.	38. 1	0.	44. 1	0.5732528	50. 1	0.
31. 1	0.3331707	42. 1	0.	48. 1	0.	49. 1	0.	55. 1	0.5745179
36. 1	0.0763179	47. 1	0.	53. 1	0.	54. 1	0.	60. 1	0.7948012
41. 1	0.	52. 1	0.	58. 1	0.	59. 1	0.	70. 1	0.
46. 1	0.	57. 1	0.	63. 1	0.2547200	64. 1	0.	0. 0	0.
51. 1	0.	62. 1	0.5378307	68. 1	0.	0. 0	0.	0. 0	0.
56. 1	0.	67. 1	0.	0. 0	0.				
61. 1	0.	72. 1	0.						
66. 1	0.								
71. 1	0.								

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.20493919
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.40987840
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.40987840

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 161 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25849798
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59076951
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92304105
 ** CONTROL=000000000003
 3 BIAS CHANGES


```

LEVEL 1 MS = 0.20000000 BIAS = -0.92364105
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 1.0767336
6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0. 27. 1 1.316795A 28. 1 0. 29. 1 0. 30. 1 0.
31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 1.0767336
36. 1 1.1491671 37. 1 0. 38. 1 0. 39. 1 0. 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.
46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
66. 1 0.71370877 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999999
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999999
** CONTROL=000000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999999
** CONTROL=000000000004
5 BIAS CHANGES
LEVEL 2 MS = 0.01000000 BIAS = -2.99999999
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0.901462 2. 2 0. 0. 0 0. 0. 0 0.
SUM NO. 1 IS 0.90155
SUM NO. 2 IS 0.
*** 162 INPUT M1 IDENTIFICATION CORRECT
MINPS=000000000013 NCYES=000000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41796225
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26069671
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.10341117
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.64234495
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47136784
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57670439
** CONTROL=000000000007
6 BIAS CHANGES
LEVEL 1 MS = 0.20000000 BIAS = -1.57670439
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0.6427536 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0.6171114 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.4223764
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.5047187
31. 1 0.1240796 32. 1 0.5285653 33. 1 0. 34. 1 0.
36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0.
41. 1 0. 42. 1 0. 43. 1 0.5868426 44. 1 0.
46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0.3945521
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0.4230841
56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0.
61. 1 0.5677025 62. 1 0. 63. 1 0. 64. 1 0.
66. 1 0. 67. 1 0. 68. 1 0. 69. 1 0.
71. 1 0. 72. 1 0. 0. 0 0. 0. 0 0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.20574267
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41148536
** CONTROL=000000000003
2 BIAS CHANGES
LEVEL 2 MS = 0.01000000 BIAS = -0.41148536
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0. 2. 2 1.0000000 0. 0 0. 0. 0 0.
SUM NO. 1 IS 0.
SUM NO. 2 IS 1.000000
*** 163 INPUT V1 IDENTIFICATION CORRECT
MINPS=000000000012 NCYES=000000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28787624
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77366574
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25946121
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01656748
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13801233
** CONTROL=000000000007
5 BIAS CHANGES

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```

LEVEL 1 MS = 0.20000000 BIAS = -1.13801233
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0.5544337 20. 1 0.
21. 1 0. 22. 1 0.8264192 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
31. 1 0. 32. 1 0.7692312 33. 1 0. 34. 1 0. 35. 1 0.
36. 1 0.1188517 37. 1 0. 38. 1 0.8113308 39. 1 0. 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.
46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0. 57. 1 0.0740826 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0.9699645 65. 1 0.
66. 1 0. 67. 1 0. 68. 1 0.8617903 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0. 73. 1 0. 74. 1 0. 75. 1 0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
** CONTROL=000000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
** CONTROL=000000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.24999988
** CONTROL=000000000005
6 BIAS CHANGES
LEVEL 2 MS = 0.01000000 BIAS = -3.24999988
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 1.0083257 2. 2 0. 3. 0 0. 4. 0 0.
SUM NO. 1 IS 1.00833 SUM NO. 2 IS 0.
*** 164 INPUT H2 IDENTIFICATION CORRECT
MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41381544
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12152757
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.82923970
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47538364
** CONTROL=000000000007
4 BIAS CHANGES
LEVEL 1 MS = 0.20000000 BIAS = -1.47538364
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0.6222629 17. 1 0. 18. 1 0. 19. 1 0.0400466 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0.6424601 24. 1 0.4903969 25. 1 0.
26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0.6256919 30. 1 0.
31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 0.
36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0. 40. 1 0.
41. 1 0.5243947 42. 1 0.5173287 43. 1 0. 44. 1 0. 45. 1 0.
46. 1 0. 47. 1 0.6234125 48. 1 0.5186601 49. 1 0. 50. 1 0.
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0. 57. 1 0.0782908 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
66. 1 0. 67. 1 0. 68. 1 0. 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0.4753881 73. 1 0. 74. 1 0. 75. 1 0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.3552564
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.71105132
** CONTROL=000000000003
2 BIAS CHANGES
LEVEL 2 MS = 0.01000000 BIAS = -0.71105132
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0. 2. 2 1.0000000 3. 0 0. 4. 0 0.
SUM NO. 1 IS 0. SUM NO. 2 IS 1.000000
*** 165 INPUT V2 IDENTIFICATION CORRECT
MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33879003
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.74323183
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14767364
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94545273
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04656318
** CONTROL=000000000007
5 BIAS CHANGES

```


LEVEL 1 MS = 0.20000000 BIAS = -1.04656318

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3472655
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1198058	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1758817	22. 1	0.5122575	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.8954653	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2755023	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1206030	58. 1	0.5013902	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3217867
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999999
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999999
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.24999999
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.24999998

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0647897	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.06479								
SUM NO. 2 IS	0.								

*** 166 INPUT H3 IDENTIFICATION CORRECT
 MINPS=000000000007 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51476164
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06306215
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.61136265
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33721240
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.33721240

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2196126	4. 1	0.6625734	5. 1	0.
6. 1	0.4355315	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7965992
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6396010	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1436273	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7904939
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6612369	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6918305
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31258647
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.62517296
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.46887971
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.54702634
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.54702634

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0238788	2. 2	0.9218534	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.02388								
SUM NO. 2 IS	0.92185								

*** 167 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25571045
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48984289
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.72397511
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95810777
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84104155
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.84104155

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.7515056	10. 1	0.3835488
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.6126565	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3748477	29. 1	0.	30. 1	0.
31. 1	0.3487481	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.9782926	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4103123	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.7475468
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.9999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.9999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -10.83202887
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -6.16601443
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.83300722
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.66650358
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.08325177
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.37487769
 ** CONTROL=000000000007
 8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.37487769

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0283359	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.02834								
SUM NO. 2 IS	0.								

*** 168 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000005 NCYES=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43937092
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26727656
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.09518218
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66127938
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47425298
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57774118
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57774114

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3445234	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6108483
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6528948
46. 1	0.5121135	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6476127	52. 1	0.5979943	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5616786	68. 1	0.	69. 1	0.6201676	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.49999996

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0953748	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.09537								

*** 169 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000004 NCYES=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07252610
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15745725
 ** CONTROL=000000000001
 2 BIAS CHANGES

LEVEL 1 MS = 0.27700000 BIAS = -0.15743725

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.5162178	3. 1	0.3051071	4. 1	0.	5. 1	0.
6. 1	0.0151171	7. 1	0.	8. 1	0.3073004	9. 1	0.0666656	10. 1	0.2314444
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1739103	15. 1	0.
16. 1	0.0750720	17. 1	0.0704670	18. 1	0.1455632	19. 1	0.	20. 1	0.3093800
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.3537541	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2040021	30. 1	0.2007659
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1459437	35. 1	0.
36. 1	0.	37. 1	0.2607182	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4349584	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1482016	47. 1	0.	48. 1	0.	49. 1	0.0260713	50. 1	0.0928203
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1548368	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.2604824	68. 1	0.	69. 1	0.1402231	70. 1	0.
71. 1	0.	72. 1	0.2283766	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60813098
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.60813098

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.447662	2. 2	0.552337	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.44766
 SUM NO. 2 IS 0.55234

*** 170 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 BIAS CHANGES

LEVEL 1 MS = 0.27000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1924909	3. 1	0.2042331	4. 1	0.	5. 1	0.
6. 1	0.2112772	7. 1	0.	8. 1	0.2465463	9. 1	0.2208613	10. 1	0.2030482
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1824674	15. 1	0.0703626
16. 1	0.0476213	17. 1	0.2147599	18. 1	0.1320953	19. 1	0.	20. 1	0.1619657
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1674355	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1084813	30. 1	0.2391181
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1622871	35. 1	0.
36. 1	0.	37. 1	0.3166102	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0420050	42. 1	0.1724838	43. 1	0.1155485	44. 1	0.0384558	45. 1	0.1530603
46. 1	0.2073781	47. 1	0.	48. 1	0.	49. 1	0.1813977	50. 1	0.0916309
51. 1	0.	52. 1	0.	53. 1	0.1537244	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2418887	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0751055
66. 1	0.0187352	67. 1	0.2344304	68. 1	0.	69. 1	0.2057387	70. 1	0.1385936
71. 1	0.	72. 1	0.1482678	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.17339331
 ** CONTROL=000000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.17339331

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7552616	2. 2	0.2447364	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.75526
 SUM NO. 2 IS 0.24474

*** 171 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42543726
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02228515
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.61913754
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32071134
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.26000000 BIAS = -1.32071134

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.8908197	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2708066	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6790749	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6790749	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7982039	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8788367
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.4893754	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.549924	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.30423726
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.61987455
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.60987455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 172 INPUT VS IDENTIFICATION CORRECT
 MINPS=000000000002 NCYCS=000000000014 INDIC=000000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15477008
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41377176
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.67277345
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57277345

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.1426927	7. 1	0.	8. 1	1.3032601	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0682350	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.1006383	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0871635
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0174268	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0533595	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.05336								
SUM NO. 2 IS	0.								

*** 173 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=000000000014 INDIC=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.53083120
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47628643
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.32174164
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.87401405
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.65015025
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.53821836
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53821836

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0474713	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5586553	13. 1	0.	14. 1	0.4874775	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4599250
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3155485	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.0713943	37. 1	0.1900952	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5566373	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.5618309
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5250129	63. 1	0.2423052	64. 1	0.	65. 1	0.7668302
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.26626082
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.53252167
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.53252167
CLMP. OUTPUT CLMP. OUTPUT CLMP. OUTPUT CLMP. OUTPUT CLMP. OUTPUT
1. 2 0. 2. 2 1.0000000 0. 0 0. 0. 0 0. 0. 0. 0. 0.
SUM NO. 1 IS C.
SUM NO. 2 IS 1.000000
*** 174 INPUT V6 IDENTIFICATION CORRECT
MIMPS=00000000014 NCYCS=00000000014 INDICT=00000000001

END OF INPUT. SIMULATION COMPLETE.
MAIN TEST IS DONE.

AC	MW	SENSE IND	KEYS	XR1	XR3	XR4	XR5	XR6	XR7
00210004522	002117001055	001202003074	000000000000	67074 -10704	71476 -00302	00000 -00000	71666 -06117	00000 -00000	00000 -00000
INDICATORS									
Q-BIT	P-BIT	TRAP	UCT	LOT	OFL	SENSE	LIGHTS	90 LOC	SENSE SWITCHES
OFF	OFF	OFF	OFF	OFF	OFF	1	2	3	4
00000	-000000732712	000000000000	002100000210	000001405033	002100004522	000000000000	000000000000	000000000000	000000000000
	-C0.88	HTR 000000	TTM 0A0028	HTR 001-0.	TTR 0A00NB	HTR 000000	HTR 000000	HTR 000000	HTR 000000
00010	00210000C21C	000000000000	000000000000	002100001055	000000000000	002100001055	000000000000	002100001055	000000000000
	TTR 0A0028	HTR 000000	HTR 000000	TTM 0A008*	HTR 000000	TTR 0A008*	HTR 000000	HTR 000000	TTR 0A008*
00020	000000000000	002100001055	000000000000	300024002171	000000000000	000000000000	000000000000	000000000000	000000000000
	HTR 000000	TTM 0A008*	HTR 000000	TTM 0A00A2	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000
00030	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000
		WORDS 00040	TO 00057	ALL CONTAIN	000000000000				
00040	000000000000	000000000000	000000000000	000000000001	205065005037	272746000000	000000000000	000000000000	000000000000
	HTR 000000	HTR 000000	HTR 000000	HTR 000001	TIX +0V00*	TIX GG0000	HTR 000000	STZ * 60V0+E	HTR 000000
00070	000065002025	001202003074	001202003074	000000000000	000000000000	376476077007	-052000000710	05A4C0000735	
	STZ * 60V0+E	0*20H1	0*20H1	HTR 000000	HTR 000000	TTM +U*7Y7	NZT N*0076	ENB 50007*	
00100	002000006521	010101110605	312262706260	002000000732	000000000000	000000000000	000001000001	000030000140	
	TAA 0*00V*	111965	TTM 185Y5	TAA 0*002*	HTR 000000	HTR 000000	HTR 001001	HTR 00001-	
00110	000004000170	000004000174	000214000262	002000400001	002000000076	002100000210	000047000702	002000400002	
	HTR 00401Y	HTR 004011	02*025	TAA 0*0-01	TAA 0*000*	TTR 0A0028	HTR 00P072	TAA 0*0-02	
00120	002652077777	100276000224	000000000000	000000000000	-100000000000	100000000131	-000001000127	100000005404	
	TRCE 0F-7**	TAI 8*020	HTR 000000	HTR 000000	STR 000000	TXI 800011	-01016	TXI 8000*4	
00130	100000000126	040000000131	312262706263	-000000000000	000000000062	000000000000	000000000000	000000000000	
	TXI 80001F	TTM 100011	TTM 185Y5T	-00000	HTR 000005	HTR 000000	HTR 000000	HTR 000000	
00140	000001000274	000000000000	000000000000	000000000000	000013000262	000015000272	000014000266	000003000306	
	HTR 00102*	HTR 000000	HTR 000000	HTR 000000	HTR 00*025	HTR 00*02*	HTR 00*02H	HTR 003036	
00150	000003000306	000002000302	000002000302	000004000312	000004000312	000005000316	000005000366	000001000346	
	HTR 003036	HTR 002032	HTR 002032	HTR 00403*	HTR 00403*	HTR 00503*	HTR 00503*	HTR 001030	
00160	000002000352	000003000356	000004000362	000000000000	000000000000	000000000000	000000000000	000000000000	
	HTR 00203*	HTR 00303*	HTR 004035	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	
00170	000015000262	000012000346	000006000416	000006000444	000043000000	000043000402	000043000416	000043000446	
	TAM 0*0025	HTR 004030	HTR 00604*	HTR 00604C	HTR 00L000	HTR 00L042	HTR 00L04*	HTR 00L040	
00200	000134200477	200000000000	000000000000	000000000001	000000077777	000000004712	000000000000	000000000000	
	011*4*	TIX +00000	HTR 000000	HTR 000001	HTR 00073*	HTR 0000P*	HTR 000000	HTR 000000	
00210	05200000742	002000000214	052000000207	002100000212	-050000000223	050000000222	-060000000022	050000000223	
	ZET 5*007K	TAA 0*002*	ZET 5*0027	TAA 0A002*	STL 00002C	LQO 5 002B	STQ 00000B	LQO 5 002C	
00220	076000005000	002100007021	000012000000	000000000000	-050000000261	002000000240	060000000207	077400400214	
	BTTF 2 0000	TIX 0A002*	HTR 00*000	HTR 000000	CAL 000027	TAA 0*002-	STZ 600027	AXT 710-2*	
00230	060000400477	200001400030	052000000207	002000000237	050000000256	060000000710	060000000300	060000000067	
	STZ 600-4*	TIX +U1-2H	ZET 5*0027	TAA 0*002*	CLA 50002*	STZ 600078	STZ 600030	STZ 600035	
00240	052000000207	002000000240	060200000023	-050000000257	052000000067	-050000000260	060200000027	076000005000	
	ZET 5*0027	TAA 0*002*	SLW 62000C	CAL 00002*	ZET 5*0005	CAL 00002	SLW 62000B	BTTF 7 0000	
00250	052000000022	002000000250	050000000300	036100000703	060200000300	002000000076	-312262706260	000010000000	
	ZET 5*000P	TAA 0*0020	CLA 500030	ACL 370023	SLW 620030	TAA 0*000*	XL ZB5Y5	HTR 008000	
00260	00001100000C	312245256763	001321000000	000000000000	-000000000000	000000000000	001341000000	000000000000	
	HTR 00900C	TTM 185Y5T	0*4000	HTR 000000	-00000	HTR 000000	0*3000	HTR 000000	
00270	-000000000000	000000000000	001361000000	000000000000	000000000052	000000000000	001201021616	000000000000	
	-000000	HTR 000000	0*7000	HTR 000000	HTR 000000	HTR 000000	0*12**	HTR 000000	
00300	000000000001	000000000000	001202003074	000000000000	000003000001	000000000000	001203003110	000000000000	
	HTR 000001	HTR 000000	0*20H1	HTR 000000	HTR 003001	HTR 000000	0*3018	HTR 000000	
00310	000000000054	000000000000	001704011242	000000000000	000000000157	000000000200	001705000327	000000000000	
	HTR 00036*	HTR 000000	0*410K	HTR 000000	HTR 00001*	HTR 000000	0*503B	HTR 000000	
00320	-000000000000	000000000000	001206000000	000000000000	000000000000	000021741034	001207000000	000000000000	
	-000000	HTR 000000	0*6000	HTR 000000	HTR 000000	HTR 00A1B1	0*7000	HTR 000000	
00330	00000000000C	000021740734	001210000372	000000000000	000000000000	000021740434	001211000326	000000000000	
	HTR 000000	HTR 00A171	0*803B	HTR 000000	HTR 000000	HTR 00A141	0*903F	HTR 000000	
00340	000000000000	000021741134	001212000000	000000000000	000000000000	000022740134	002201021712	000000000000	
	HTR 000000	HTR 00A191	0*4000	HTR 000000	HTR 000000	HTR 00B111	TTM 0B12**	HTR 000000	
00350	000000000000	000000000000	002202021772	000000000000	000000000000	000000000000	002203021646	000000000000	
	HTR 000000	HTR 000000	TTM 0B22**	HTR 000000	HTR 000000	HTR 000000	TTM 0B32**	HTR 000000	
00360	000000000000	000000000000	002204021676	000000000000	000000000000	000000000000	002205000372	000000000000	
	HTR 000000	HTR 000000	TTM 0B42**	HTR 000000	HTR 000000	HTR 000000	TTM 0B50**	HTR 000000	
00370	-000000000000	000000000000	-002206000376	000000000000	000000000000	000000000000	-002207000000	000000000000	
	-000000	HTR 000000	TTM 0B60**	HTR 000000	HTR 000000	HTR 000000	TTM 0B7000	HTR 000000	
00400	000001000000	000000000000	-002210000406	000000000000	000000000000	000000000000	-002211000412	000000000000	
	HTR 001000	HTR 000000	TTM 0B8046	HTR 000000	HTR 000000	HTR 000000	TTM 0B904*	HTR 000000	
00410	-00000000000C	000000000000	-002212000377	000000000000	-000000000000	000000000000	-002201000472	000000000000	
	-000000	HTR 000000	TTM 0B803*	HTR 000000	HTR 000000	HTR 000000	TEFF -+104B	HTR 000000	
00420	-000000000000	000000000000	-003202000426	000000000000	-000000000000	000000000000	-003203000432	000000000000	
	-000000	HTR 000000	TEFF -+204F	HTR 000000	HTR 000000	HTR 000000	TEFF -+304*	HTR 000000	
00430	-000000000000	000000000000	-003204000436	000000000000	-000000000000	000000000000	-003205000442	000000000000	
	-000000	HTR 000000	TEFF -+404*	HTR 000000	HTR 000000	HTR 000000	TEFF -+504K	HTR 000000	
00440	-000000000000	000000000000	-003206000000	000000000000	-000000000000	000000000000	-004201000452	000000000000	
	-000000	HTR 000000	TEFF -+6000	HTR 000000	HTR 000000	HTR 000000	RIA -K104*	HTR 000000	
00450	00000000000C	000000000000	-004202000456	000000000000	-000000000000	000000000000	-004203000462	000000000000	
	-000000	HTR 000000	RIA -K204*	HTR 000000	HTR 000000	HTR 000000	RIA -K3045	HTR 000000	
00460	-000000000000	000000000000	-004204000466	000000000000	-000000000000	000000000000	-004205000472	000000000000	
	-000000	HTR 000000	RIA -K404*	HTR 000000	HTR 000000	HTR 000000	RIA -K504*	HTR 000000	
00470	-000000000000	000000000000	-004206000000	000000000000	-000000000000	000000000000	000000000000	000000000000	
	-000000	HTR 000000	RIA -K6000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	
		WORDS 00000	TO 00057	ALL CONTAIN	000000000000				

00700 000000000000 000000000000 002100001672 002100001357 002100001622 002100001452 002100001673 002100001670
HTR 000000 HTR 000000 TTR 0A00+8 TTR 0A00+8 TTR 0A00+8 TTR 0A00+8 TTR 0A00+8 TTR 0A00+8
000000000000 002100002206 002100002211 002100002365 002100002333 002100000765 002100000766 002100000751
HTR 000000 TTR 0A0086 TTR 0A0089 TTR 0A00CV TTR 0A00CV TTR 0A008V TTR 0A008V TTR 0A008V
002100002276 002100002277 002100002313 002000000756 000000000207 000000101035 000000101042 000000101004
TTR 0A008+ TTR 0A008+ TTR 0A00C= TRA 0+007+ HTR 000027 H+ 00008+ HTR 00008K HTR 00008K
00730 000000101016 000000101023 000000101047 000000101036 000000000735 000000000377 000000000000 000000000001
HTR 00008+ HTR 00008K HTR 00008P HTR 00008H HTR 00007+ HTR 00003+ HTR 000000 HTR 002001
00740 001202003074 000000000000 000000000000 002100002365 000000001653 000000001054 000000000000 007400402365
HTR 000026 HTR 000000 HTR 000000 TTR 0A00CV HTR 00008+ HTR 00008+ HTR 000000 HTR 000000
00750 000000000206 063400400754 052000000022 002000000752 007400400000 002000400001 052000000207 007000000756
HTR 000026 SXA 610-7+ ZET 5+0008 TRA 0+007+ AXI 710-00 TRA 0+0-01 ZET 5+0027 TRA 0+007+
00760 -050000000764 060200000022 076000000500 002000000763 000021000000 007100000022 -032000000204 056000000206
CAL 00007L SLW 620008 BTTF 7 0000 TRA 0+007T HTR 00000H ARS 720008 ANA L+0024 LQD 5 0006
00770 022506000776 022506000777 022506001000 022506001001 022506001002 022506001002 000000400001 -000002342000 -000017500000
VDP 2E607+ VDP 2E607+ VDP 2E6081 VDP 2E6081 VDP 2E6082 TRA 0+0-01 -023+0 -0+000
01000 -000144000000 -001200000000 -010000000000 067100005037 054000000000 -054000000000 -054100000000 -054100000000
-1M000 TNZ 70000 NCP 70000 KCHA 5-0000 KCHB N-0000 RCHD 5J0000 RCHD NJ0000
01010 -060000000736 064000000736 -064000000736 064100000736 -064100000736 076100000000 066000000000 066100000000
STO 00007+ SCHA 6-007+ SCHB 0-007+ SCHC 6J007+ SCHD 0J007+ NUP 70000 TCIA 0 0000 TCIB 0 0000
01020 006200000000 006300000000 076100000000 002200000000 -002200000000 002400000000 -002400000000 076100000217
TCOC 050000 TCOD 010000 NCP 70000 TRCA 080000 TRCB -R0000 TRCC 000000 TRCD -00000 NCP 70000
01030 003000000064 -003000000050 003100000030 -003100000030 000000000000 000000000000 000000000000 000000000000
TFXA 0H000L TEFB -H000W TEFC 01000H TEFD -1000H HTR 000000 HTR 000000 HTR 000000 HTR 000000
01040 000000000000 000000001400 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
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ETTB P 00+0 ETTT P 00H0 ETTO P 00-0 HTR 00008+ HTR 00008+ STQ 000000 STJ 610027 ANS 72000L
01060 060200000065 061400000740 -014000001064 050000000021 063000000065 063000001250 -063400400065 063400201243
SLW 62000V STI 64007- TNO J-000U CLA 500021 STP 6H000V STP 6H000Q SXP 010-0V SXA 610+8L
01070 063400101242 052000000032 002000001354 052000000062 002000001255 077400200010 077400100001 0+6000000023
SXA 610+8L ZET 5+000+ TRA 0+00+ TRA 0+000+ AXI 710+08 AXI 7108C1 LQD 5 000C
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CAL N0000R ARS 72000+ STD 6H0003 PAI 0M0000 PAI 0M0000 STA 6A000+ CLA 500027 STA 500027
01110 010000001165 060100000742 052200101011 076000000005 002000001326 053500200742 -005700777770 -005500400000
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01120 05A000200001 076300000000 -005400000004 002000001155 -012000001130 -005400000002 002000001332 016200001136
LQD 5 0+0L LLS 7F0000 LFT -0+00+ TRA 0+009H LFT -0+00+ LFT -0+00+ LFT -0+00+ LFT -0+00+ LFT -0+00+
01130 -005500040000 052200101047 -005500200000 -050000002405 -005400200000 -060200200000 -050000200002 -005400040000
SIL -0+000 XEC 5R088P TIL -0+000 CAL N00005 LFT -0+000 LFT -0+000 LFT -0+000 LFT -0+000 LFT -0+000
01140 -032000002404 040000000203 061002000002 -050000200001 -073400400000 063400401147 050200000207 007400405065
ANA L+0004 ADD 400023 STO 610+02 CAL N00001 PDX P10-00 SXA 610-9P CLS 520027 CLS 520027
01150 002000001165 002000001165 007400401452 000000000207 002000001163 005500200000 -012000001130 -050000200002
TRA 0+009V TRA 0+009V TSX 010-+ HTR 00007 TRA 0+009V TRA 0+009V SIL -0+000 TMI J+009H CAL N00002
01160 060200000737 -050100002403 002000001141 050000000207 002000001171 060000101035 077400200001 060000200032
SLW 62007+ ORA N10003 TRA 0+009J CAL N00027 TRA 0+009Z TZA 60088+ AXI 710+08 STZ 600+0+
01170 050000000206 052000000741 002000001226 010000001203 073700200000 013100000000 -050000200001 -073400400000
CLA 500026 ZET 5+007+ TRA 0+004F TZE 1000F3 PAC 7+0+00 XCA 110000 CAL N00001 PDX P10-00
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TXH H00-8+ STZ 600026 STZ 600+01 CAL N00020 PDX P10+00 ZET 5+0+4 TRA 0+00+ TIX +0+4+5
01210 -012000001226 050200001027 073400200000 002000001205 -063400200000 17730201216 073400200000 052000000002
TMI J+004F CLS 52008C PAX 710+00 TRA 0+00+ SXC 010+20 TFI 0+2+8 SCA 6+0+26 NZT 4+0005
01220 002000001176 -050000200000 077100000011 077100000011 -073700100000 100001101170 060000000002 002000001240
TRA 0+009V CAL N00+00 ARS 770009 ANA L+00+ PDC P0+000 TFI 80189V STZ 600027 TAA 0+00+8
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KCA 11000L STO 61007F STO 610027 STL 0E001+ STL 60008H SXA 610+8L TSX 010-0V TSX 010-0V
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STZ 60007K LDI 4J007- AXI 710+0+ AXI 710+0+ CAL N0000V PDX P10-00 LQD 5 000T LLS 77000L
01250 214000001251 054000000064 -052000000710 056400000735 062100000533 077400200022 -200002201075 -052000200032
TIX A-00+K LQD 5 0000 NZT 4+007R ENH 50007+ TFX 0A000+ TFX 0A000+ AXI 710+08 AXI 710+08 AXI 710+08
01260 002000001250 300010201263 300006201075 075400200000 077100000001 073400100000 073400100000 073400100000
TRA 0+00+ KCH H00+8+ TXH H00+8+ PAX 7+0+00 CAL N00001 PAX 710800 CAL N00+0+ TFI 02+8+ TFI 02+8+ TFI 02+8+
01270 052000000062 002000000001 063400401323 -053400400002 300000000322 077400200016 077400200016 077400200016
ZET 5+0005 TRA 0+0-01 SXA 610-+C LXD N10-0H TXH H00-+B AXI 710+0+ AXI 710+0+ AXI 710+0+
01300 053500400020 -050000000001 -074000000001 177777201304 -063400270022 -0500000002400 0520000000135 052000000022
LAC 5+0-27 CAL N00-01 PAX P 0001 TFI 000000 060200000023 077700200136 1000062401317 100276+01317 100276+01317
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LXA 510+83 PAX 7+0+00 PAX N100+8 SLW 62000C TFX 000000 TFX 000000 TFX 000000 TFX 000000 TFX 000000
01320 077100000002 062100000022 076000000000 -032000000001 -032000000001 -010000001350 063400401347 050000200002
ARS 720002 STA 6A000H BTTF 7 0000 AXI 7100VJ AXI 7100VJ AXI 7100VJ AXI 7100VJ AXI 7100VJ
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HTR 0020+H TRA 0+002H CAL N00021 ANA L+0+01 TNZ 300000 LQD 5 0027 TSX 010-0+ TSX 010-0+ TSX 010-0+
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STO 0000+ CAL N00+02 TSX 010-7W STQ 0000+ LQD 5 0027 TSX 010-0+ TSX 010-0+ TSX 010-0+ TSX 010-0+ TSX 010-0+
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CAL 00000L SLW 62008H SIL -0+0000 TRA 0+00+ ZET 5+0005 TRA 0+00+ AXI 710801 AXI 710801 AXI 710801
01360 063400101415 -050000000001 062100001445 052000000062 002000001443 077400100001 077400100001 077400100001
SXA 610+8+ CAL 0+0-01 052100000207 100017001417 -050000200001 -073400400000 -073400400000
01370 060400000071 05350021445 062100000207 062100000206 -0625000000135 060000000022 063400401407 063400401407
STI 640002 LAC 4+0+8H STA 6A0027 STA 6A0026 STI 0+2+1+ STI 6+000H STI 6+000H STI 6+000H
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TSX 310-8Y STZ 60007H AXI 7100VJ AXI 7100VJ AXI 7100VJ AXI 7100VJ AXI 7100VJ AXI 7100VJ
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ZET 5+007K TAA 0+0-02 CAL N0000P STP 600027 CAL N00026 STP 600027 STP 600027 STP 600027 STP 600027 STP 600027
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NZT 4+0005 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000
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PAX 7+0+00 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000
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ENH 500027 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000
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STI 640002 AL 4+0-01 PAX 7+0000 PAX 7+0000 PAX 7+0000 PAX 7+0000 PAX 7+0000 PAX 7+0000
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LQD 5 0005 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000
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LQD 5 0005 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000
01520 056400000000 062100001415 063400001415 063400001415 063400001415 063400001415 063400001415 063400001415
LQD 5 0005 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000 TFI 000000

[illegible]

02360 044100002332 002000400001 -206051242060 -206047647060 -206047512060 056400000202 063400402373 007400401673
LDI 4J00C+ TRA 0+0-01 TNX RD+ DCT 7 000+ STZ 6000E1 10T 7 0005 STZ 6000E+ STD 4100E+
000000000001 004003002375 0600000000710 077400400000 002000000723 -204146226063 255144314521 -232574606060
HTR 000001 TLQ 0-30C+ STZ 600078 AXI 710-00 TRA 0+007C TNX JOB T TIX ERMINA TNX TED
02400 -000000000000 000001000000 -370000000000 000000777777 -377777477777 000000400000 -206060606060 006060606060
-000000 HTR 001000 TXL +00000 HTR 000*** TXL ***P+ HTR 000-00 TNX TCOA+ 0
WORDS 02410 TO 02567 ALL CONTAIN 000000000000
HTR 000000
02570 -076400001230 002000002173 002000002570 076000000012 060000002574 076000000005 060000002575 060100002576
BSF P000+P TRA 0+0C+, TRA 0+00EY DCT 7 000+ STZ 6000E1 10T 7 0005 STZ 6000E+ STD 4100E+
02600 077100000043 060100012600 -014000002604 060000002601 -060000002577 063400102602 063400202603 063400402604
ARS 72000L STO 6100F0 TNO 1 00F4 STZ 6000F1 STQ 0000E+ SXA 610BF2 SXA 610+F3 SXA 610-F4
02610 077400400004 -076000400145 002000002614 -077400400144 036100100000 200001402611 077400400006 076009400167 060000402617
AXI 710-04 SLT P 0-1N TRA 0+00F+ STZ 600-F9 TIX +01-F9 AXI 710-06 SWI 7 0-1X STZ 600-F+
02620 200001402616 060400002617 -075400000000 -077400400144 036100100000 200001402624 060200002620 050000002642
TIX +01-F+ STI 6400F+ PKD P+0000 ACX P10-1M ACL 3/0800 TIX +01-FD SLW 6200F+ CLA 5000F+
02630 060100002573 076000000004 -062000002570 -060000002571 076000001230 054000002640 077000001230 00000000103
STD 6100E+, ENK 7 0004 SLQ 0+00EY STQ 0000E2 WRS 7000+H RCHA 5-00F- WEF 7Y00H HTR 000013
200144000001 -000031002570 077777000001 000000000000 000000000000 000000000000 000000000000 000000000000
TIX +1M001 -010EY 7+001 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
02650 000000000000 000000000000 2+2362606060 00001100004 312241462260 000005100007 -244724216375 000014100001
HTR 000000 HTR 000000 TIX UCS HTR 001804 TXH 18JUB HTR 005807 TNX UPDATE HTR 00+801
02660 -22465163606C 000015100002 312262262147 000017100001 264651635121 000020100005 -246331433163 000025100001
TNX SORT HTR 00+802 TXH 18SFAP HTR 00+801 TIX FORTRA HTR 00+305 TNX UTILIT HTR 00E801
02670 114721236060 000026100004 314623626060 000032100002 252431634651 000034100001 312225246360 000035100001
TXI 9PAC HTR 00F804 TXH 10CS HTR 00+802 TIX EDITUR HTR 001801 TXH 18EDT HTR 00+801
02700 -246331436370 000036100001 -054645626324 000037100001 -206060606060 000000000000 -206060606060 000000000000
TNX JTILTY HTR 00+801 LCHF H0MSTD HTR 00+801 TNX HTR 000000 HTR 000000 HTR 000000
02710 -20606060606C 000000000000 -206060606060 000000000000 -206060606060 000000000000 -206060606060 000000000000
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TNX HTR 000000 TNX HTR 000000 TNX HTR 000000 TNX HTR 000000
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03000 -20606060606C 000000000000 -206060606060 000000000000 -206060606060 000000000000 -206060606060 000000000000
TNX HTR 000000 TNX HTR 000000 TNX HTR 000000 TNX HTR 000000
03010 -20606060606C 000000000000 -206060606060 000000000000 -206060606060 000000000000 -206060606060 000000000000
TNX HTR 000000 TNX HTR 000000 TNX HTR 000000 TNX HTR 000000
WORDS 03020 TO 04507 ALL CONTAIN C00000000000
HTR 000000
04510 000000000000 060000004511 077400100010 -050000000004 060200005005 -050000004521 060200000004 056400004546
HTR 000000 STZ 6000N9 AXI 710808 CAL N00004 SLW 620005 CAL N000NA SLW 620004 ENB 5000N0
04520 052200104557 002100094522 200001104517 076000000016 -077400107746 060000100000 200001104525 -050000005005
XEC 5808N+ TTR 0A00N8 TIX +018N+ LMTM 7 000+ ACX P108+D STZ 600800 TIX +018NE CAL N000Q5
04530 060200000004 077400300000 077400500000 077400600000 077400700000 -076000000016 060000000207 060000000206
SLW 620004 AXI 710800 AXI 710800 AXI 710 00 AXI 710Y00 MSE P 000+ STZ 600027 STZ 600026
04540 060000000200 -050000004545 060200000002 060200000010 060200004560 002100000210 000377000377 -076000000007
STZ 600020 CAL N000NN SLW 620002 SLW 620008 TRA 0+00N TTR 0A0028 03+03+ LTM P 0007
04550 -076000000005 077200001205 -076000000002 076000000012 076000000005 014000004522 076000000014 016100004522
ESTM P 0005 REM 7+00+5 EFTM P 0002 DCT 7 000+ 10T 7 0005 TOV 1-00N8 SLF 7 001- TQD 1/00N8
04560 060000000101 -060000007401 077400400161 056000407562 -060000400262 200001404563 060000000104 060000000105
LDQ 5 0011 STQ 000011 AXI 710-1/ STQ 000-25 TIX +01-NI STZ 600014 STZ 600015
04570 060000000062 077400400062 056000406714 -060000402652 200001404572 -077400400214 056000000240 060000400261
STZ 600005 AXI 710-05 LDQ 5 0-+ STQ 000-F- TIX +01-N+ ACX P10-2' STZ 600-2/ STZ 600-2/
04600 -060000400260 060000400257 -060000400256 100004404604 300000404577 -077400400262 077400200003 -050000007563
STQ 000-2 STZ 600-2+ STQ 000-2+ TXI 804-04 TXH H00-N+ ACX P10-25 AXI 710+03 CAL N000+1
04610 -060200400000 177774404612 -073400100000 100020104614 -075400100000 200001204610 -050000007562 -076500000040
ORS 020-00 TXI +01-0+ PKD P10800 TXI 80+80 TXI 80+80 PDX P+0800 TIX +01+08 CAL N000+5 LGR PY000-
04620 -060000007562 073400100000 050000007564 -300000104626 007400204762 200001104624 -053400107564 101000104630
TXL 0000+5 PAX 710800 CLA 5000+U TXL 80180U TXI +0180D TXI 80180U TXI 80180U TXI 80180U
04630 -063400107564 077400100174 100001104633 063400104631 063400104775 077400100001 100001104637 063400104635
SKD 0108+U AXI 710811 TXI 80180U SXA 61080U AXI 71080U AXI 71080U TXI 80180U SXA 61080U
04640 -300004104616 050000000107 073700200000 -073400100000 050000200000 063400204647 077400406350 077400200000
TXI 70480+ CLA 500017 PAC 7+0+00 PDX P10800 CLA 500+00 SXA 610+0P TXS 010-TQ AXI 710+00
04650 067100200000 007400406305 177777204653 200001104644 077400100144 -050000103016 060200107732 200001104655
STA 6A0+00 TSX 010-T5 TXI +0180M TIX +0180M AXI 71081M CAL N008H+ SLW 6208+ TIX +0180+
04660 077400100144 -050000107733 077100000017 032000007245 062100107733 062500107733 200002104661 052000000032
AXI 71081M CAL N008+ ARS 77000+ ANA L+00+N STA 6A0H+ STT 6E08+ TIX +0280/ ZET 5+000+
04670 000000004776 -050000004511 010000004703 052000000022 002000004673 -062500000736 042000000000 060000000736
HTR 0000P+ CAL N000N9 TZE 1000P3 ZET 5+000B TWA 0+000, STL 0E007+ HPR 4+0000 STZ 60007+
04700 -050000005006 062100007003 002000000004 -050000004713 062100000300 -050000004710 077400400240 002000004711
CAL N000Q6 STA 6A0003 TWA 0+0004 CAL N000P+ STA 6A0030 CAL N000P8 TSX 010-2- TRA 0+00P+
04710 242331245160 -062500000205 050000000151 073700200002 -300000206270 056000004760 060000000027 -060000000023
TIX 0C10M STL 0F0025 CLA +0001R PAC 7+0+02 TXL Y00+SY TIX Y00+SY LQD 5 00P STZ 60000R STQ 00000C
04720 -062000000022 0600000010127 007400402125 053500110127 167652104725 063400105755 367651106442 050000100000
SLQ 0+000E STZ 600116 TSX 010-AE LAC 5+091+ TXI +018PE TXI +018PE SXA 6108+ TXH +018PE TXH +018PE
04730 076700000002 073700200000 177502704733 377372204735 100214204735 044100100001 060400200003 -012000004757
ALS 7X0002 PAC 7+0+00 TXI +02+P+ TXH +02+P+ TXI 82+P+ TXI 82+P+ LDI 4J0801 STI 6A0+01 TMI 3+00P+
04740 075600200000 007400406305 005100760014 005600770071 100002104726 -094600000000 -076500000014 077100000006
PCA 7+0+00 TSX 010-T5 TIR 0R0103 RFT 0+0+0+ TXI 802KPF TIA -100000 LGR PY000+ ARS 770006
04750 -076300000006 073400400000 -304077404757 305111404757 062100200000 -050000004761 060200200000 100002104726
LGL P10006 PAX 710-00 TXL Y+0+P+ TXH H9+P+ STA 6A0+00 CAL N000P/ TXI 1120+00 TXI 802KPF
04760 000020310127 040000000000 063400204773 177774404773 077400200000 002000200001 000000000174 -050000207307
HTR 00+11G ADD 40000C SXA 610+P+ TXI +01+P+ AXI 710+00 TXA 0+0+01 HTR 000011 HTR 000011
04770 067100004775 -075400200000 077774404773 077400200000 077400200000 002000200001 000000000174 -050000207307
STA 6A00P+ PKD P+0+00 TXI +01+P+ AXI 710+00 TXA 0+0+01 HTR 000011 HTR 000011
05000 -050000005004 060200000133 060000000032 002000004703 060002000000 002000200001 000000000174 -050000207307
CAL N000Q4 SLW 67601+ STZ 60000+ TXI 00200C HTR 0000P+ HTR 0000P+ HTR 0000P+ HTR 0000P+
05010 057000000205 -077400200000 050000200000 073700400000 -390000406270 007400106341 007400405033 063400405033
ZET 5+0025 ACX P10 CLA 500+00 PAC 7+0-00 TXL Y00-SY TXS 010HT TXS 010HT SXA 610-Q SXA 610-Q
05020 050000200000 0737001 052000100001 002000000022 044100100000 056000005035 005400000100 056000005034
CLA 500+00 PAC ZET 5+0001 TRA 0+000R LDI 4J0800 LDI 4J0800 LDI 4J0800 LDI 4J0800

05030 -060000100001 007400401357 -000000200000 002000005107 005040005036 205065005037 300030005210 300014005174
STQ 000801 TSX 010-00 -00+00 TRA 0+00R7 00-00+ QO-00+ TIX +QV00+ TXH H0H0-8 TXH H0H0R1
0120000005015 -0056000200000 002000005063 -062500000205 077400205007 044160000151 -005600000000 002000005071
TPL 1+000+ INT -+0+00 TRA 0+00GT STL DE0025 AKT 710+Q7 LDI + 4J 01K LNT -+0030 TRA 0+00QZ
077400205052 002000005071 007400401673 000000000001 000000500506 007400402365 -202346456351 -064360232151
AKT 710+Q- TRA 0+00QZ TSX 010-0+ HTR 000001 HTK 00500+ TSX 010-CV TXN CONTR SCHM+ DL CAR
246260314521 232325026221 274325606060 077400205106 002000005071 012000005075 -005400200000 002000400001
TIX 05 INA TIX CCESSA TIX BLE AKT 710+R6 TKA 0+00QZ TPL 1+00Q+ LFT -+0+00 TRA 0+0-01
077400205107 063400205033 073700200000 060000200001 002000400001 073700200000 050000200001 062100101004
AKT 710+R7 SKA 610+Q+ PAC 7+0+00 STZ 600+01 TRA 0+0-01 PAC 7+0+00 CLA +00+01 STA 6A0884
05100 060000000135 050000006624 034000006627 002000400001 002000400001 002000400001 007400 .06766 050000006624
STZ 60001+ CLA 5000WD CAS 3-00WG TRA 0+0-01 STZ 60088K TRA 0+0-01 TSX 010-XW CLA 5000WD
040200006627 -010000005124 050000005174 034000005245 002000005116 002000005124 040200005246 010000005541
05110 002000006627 -010000005124 050000005174 034000005245 002000005116 002000005124 040200005246 010000005541
SUE 4200WG TNZ J000RD CLA 5000R1 CAS 3-00-N TRA 0+00R+ TRA 0+00RD SUB 4200-0 TZE 1000WJ
05120 050000005174 040200005255 -010000005007 002000006045 -050000005176 056000005177 -076300000022 060200005240
CLA 5000R1 SUB 4200-+ TNZ J000Q7 TRA 0+00 N CAL N000R+ LDQ 5 00R+ LGL PT000B SLW 6200-+
05130 -050000005174 077400400027 -034000405270 002000005135 002000405317 200001405132 004400000000 005600053124
CAL N000R1 AKT 710-0G LAS L-0-+Y TRA 0+00R+ TKA 0+0-+ TIX +01-R+ PAI OM0000 LNT -+0810
05140 002000005153 -005400244653 002000005153 007400400117 000000005174 052000000122 002000005007 007400401673
TKA 0+00R4 LFT -+0000 TRA 0+00R+ TSX 010-1+ HTK 0000R1 ZET 5+001B 002000005007 TSX 010-+
05150 000000000001 000014005174 002000005007 -005600535400 002000005161 -00540024230C 002000005161 007400105541
HTR 000001 HTR 00+0R1 TRA 0+00Q7 LNT -+08+0 TRA 0+00R/ LFT -+00C0 TRA 0+00R/ TSX 0108+J
05160 007000005007 007400401673 000000000002 004013005174 000006005166 002000005007 -204546636021 -202221623123
TKA 0+00Q7 TSX 010-+ HTR 000002 TLQ C-0R1 HTK 0060R+ TRA 0+00Q7 INX NOT A TSX BASIC
05170 -204446453163 -005160234645 -235146436023 215124606060 -136263465760 -206060506060 -206060606060
TNX M0H11 OK CDN TNX TRUL C TIX ARD \$STUP TNX TNX TNX
WORDS 05200 05207 ALL CONTAIN -206060606060
TNX
05210 -205125273146 -056066303143 256043462124 314527604331 -054233602321 -054546636047 -114623252524 336060606060
TNX E610 N WHIL TIX E LOAD TXH ING LI KCHF NK. CA LCHD NNOT P ROCEED TXH
05220 100000000126 300000200000 100000005404 000016000366 000015000316 000003000000 000002000000 000001000000
TIX 80001F TXH H0G+00 TIX 8000+4 HTR 00+03H HTR 00+03+ HTR 003000 HTR 002000 HTR 001000
05230 000021000356 000020000352 050000200020 000000005166 000000000010 000001000000 002117001055 000000017177
HTR 00A03+ HTR 00+03- CLA 500+0+ HTR 0000RH HTR 000008 HTR 001000 TTR 0A+08+ TXR 00012+
05240 -206060606060 -132162623177 -132321512462 -132471632560 -132545242631 -132567252364 -133122627062 -134146226060
TNX BASS1U SCARDS SDATE SENDFI SEKFCU SIBSYS SJOB
05250 -134721646225 -135125412521 -135125444665 -135125623466 -135125663145 -136263464760 -136266315323 -136321472560
\$PAUSE \$RELEA \$REMOV \$RESTU \$REW1N \$SETUP \$SWITC \$STAPE
05260 -136445434621 -133122252463 -135125622563 -133122414622 -132163254524 -133146222162 -136225636447 -136445316362
\$UNL0\$ \$1BEDFI \$1BJ0BH \$1B0AS \$108AS \$108AS \$108AS \$108AS \$108AS
05270 002000005317 002000005555 002000005526 002000005564 002000005513 002000005451 002000005647 002000 .5536
TRA 0+00R+ TRA 0+00+ TRA 0+00+ TRA 0+00+ TRA 0+00+ TRA 0+00+ TRA 0+00+ TRA 0+00+
05300 002000005363 002000005566 002000005673 002000005562 002000006045 002000005440 002000005557 002000005566
TRA 0+00R1 TRA 0+00+ TRA 0+00C TRA 0+00+ TRA 0+00 N TRA 0+00- TRA 0+00+ TRA 0+00+
0531+ 002000006163 002000006173 002000005504 002000005531 002000005531 002000005531 002000005533 007400106301
TKA 0+00C/ TRA 0+00C/ TRA 0+00+ TRA 0+00+ TRA 0+00+ TRA 0+00+ TRA 0+00+ TXA 0108T1
05320 07740040003C -050000005240 -034000407301 002000005325 002000005327 200001405322 002000006261 063400405331
AKT 710-0H CAL N000- LAS L-0-+1 TRA 0+00E TIX +01-8B TIX +01-8B TXA 610-81
05330 007400105374 077400400000 -050000005240 -032000002403 077400100214 -034000100501 002000005340 177302105355
TSX 010881 AKT 710-00 ANA L+00D3 AKT 71082+ LAS L-0851 TRA 0+00R+ TXA 0108+
05340 200004105335 -050000400170 077400100000 300000105007 077400200004 -050000200200 073700100000 300000105353
TIX +0488+ CAL N00-1Y PAX 71080U TXH H008Q7 TRA 710+04 CAL N00+20 PAC 7+0800 TXH H00884
05350 200001205345 056000005240 002000006271 052000100603 002000005361 075600100000 062100400170 007400406305
TIX +01+8N LDQ 5 00-+ TRA 0+00E/ ZET 5+0803 TRA 0+00R/ PCA 7+0800 STA 6A0-1Y TSX 010-75
05360 002000005307 -050000100000 002000005316 007400106301 -077400105006 -050000005240 077400400030 -034000407301
TRA 0+00Q7 CAL N00800 TRA 0+00+0 TSX 0108T1 AKC P108Q6 CAL N000-+ AKT 710-0H LAS L-0-+1
05370 002000005372 002000005374 200001405367 002000006261 300027405611 050000400170 062100005437 077400400000
TKA 0+00R+ TRA 0+00R1 TIX +01-8X TRA 0+00S/ TXH H0G-+9 CLA 500-1Y STA 6A00+ PDX P0000
05400 062100400170 053500205437 044100230003 052000200003 054000007707 005400770070 002000100001 077400400030
STA 6A0-1Y LAC 5+0+0+ LDI 4+0+03 ZET 5+0+03 KFT 0+00+7 RFT 0+00+Y TRA 0+0801 AKT 710-0H
05410 050000400170 -032000000204 -034000005437 002000005415 002000100001 200001405410 044100200000 -005600000300
CLA 500-1Y ANA L+0024 LAS L-00+ TRA 0+00+ TSX 010-15 PIA -0G000 ARS 770009 ANA L+00+ PDC P0-00
05420 002000005422 002000100001 050000005437 007400406305 -004600000000 077100000011 -032000007237 -073700400000
TKA 0+00R+ TRA 0+0801 CLA 5000+ TSX 010-15 PIA -0G000 ARS 770009 ANA L+00+ PDC P0-00
05430 -00500400000C 060400200000 050000400173 062100200000 050000005437 062100400173 002000100001 000000000000
SIL -+0-00 STI 6A0+00 CLA 500-1, STA 6A0+00 CLA 5000+ STA 6A0-1, TRA 0+0801 HTR 000000
05440 007400106301 -050000005240 077400400030 077400200030 -034000407301 002000005447 002000005451 200001405444
TSX 0108T1 CAL N000- AKT 710-0H AKT 710+0H LAS L-0-+1 TRA 0+00P TRA 0+00R TIX +01-8M
05450 007000006261 300027405611 -050000005177 056000005200 -076500000014 -013000000000 -034000207301 002000005461
TRA 0+00S/ TXH H0G-+9 LDQ 5 00-0 LGR PV000+ KCL JH0000 LAS L-0+1 TRA 0+00R/ TSX 010-75
05460 002000005463 200001205456 002000006261 300027405611 056000400170 -050000200170 062100400170 062200400170
TKA 0+00+7 TIX +01+8+ TRA 0+00S/ TXH H0G-+9 LDQ 5 0-1Y CAL N00+1Y STA 6A0-1Y STD 680-1Y
05470 -013000000000 062100200170 062700200170 -063400405476 -063400205501 -077400200170 100000205477 007400106341
ACL JH0000 STA 6A0+1Y STI 6B0+1Y SKD 010-+ SKD 010+1 AKC P10+1Y TXA 0108TJ
05500 -077400200170 100000205502 007400106341 002000005007 -077400200151 -052000000205 -077400200144 007400401452
AKC P10+1Y TIX 800+02 TSX 0108TJ TRA 0+00Q7 AKC P10+1R N2T H+0025 AKC P10+1M TSX 010-1+
05510 00000520000C -050000007302 010200005240 007400106301 -077400200140 -052000004511 007400106341 007400406434
HTR 005+00 CAL N000,2 SLW 6200-+ TSX 0108T1 AKC P10+1- N2T H+00N9 TSX 0108TJ TSX 010-01
05520 -050000200000 073700200000 076700000022 062700000121 -050000005240 002000000240 -050000005240 060200000101
CAL N00+00 PAC 7+0+00 ALS 7K0008 STD 680014 CAL N000-+ TRA 0+002- CAL N0LJ-+ SLW 620011
05530 002000005007 007400106301 002000005007 007400106301 007400405662 002000005007 007400C105541 007401402211
TKA 0+00Q7 TSX 0108T1 TRA 0+00Q7 TSX 0108T1 TSX 010-+5 TRA 0+00Q7 TSX 0108+J TSX 011-89
05540 002000005007 077400200013 -050000002406 -034000205210 002000005546 002000005553 -063400205551 007400401673
TKA 0+00Q7 AKT 710+0+ CAL N000D6 LAS L-0-+8 TRA 0+00+0 TRA 0+00+8 SKD 010+R TSX 010-+
05550 200000000001 00000000705210 002000100001 200001205543 002000100001 060000000705 002000005560 00200000205
TIX +00001 HTK 00L+H TRA 0+0801 TIX +01+8+ TRA 0+0801 STZ 600025 TRA 0+00+ STL DE0025
05560 007400106301 002000005007 077400200003 002000005567 077400200007 002000005567 077400200004 077400106301
TSX 0108T1 TRA 0+00Q7 AKT 710+0+ TRA 0+00+0 TRA 0+00+X AKT 710+04 TSX 0108T1
05570 -063400205606 -050000005240 077400200030 -034000207301 002000005576 002000005600 200001205573 002000006261
SKD 310+86 CAL N000-+ AKT 710+0H LAS L-0+1 TKA 0+00+0 TRA 0+00+0 TIX +01+8+ TRA 0+00S/ TRA 0+00R/ TSX 0108T1
05600 300027205611 -013000000001 050000200170 077400400000 030000406271 007400401452 000000200170 076100000000
TXH H0G+9 KCL JH0000 CLA 500+1Y PAX 710-00 TXL Y00-52 TSX 010-1+ HTR 000+1Y N0P 770000
05610 002000005007 007400401673 000000000001 00000600615 TSX 010-01 TSX 010-01 TSX 010-01
TKA 0+00Q7 TSX 010-+ HTR 000001 HTR 000001 007400106301 056000005607 -060000000460 050000000133 060100007433
05620 314645601360 232163216263 -114647302560 007400106301 056000005607 056000005607 056000005607 056000005607
TXH L0N+ TIX CATAST K0PHE L0PHE 5 0C+7 STQ 000000 CLA 50001+ STD 61001+
05630 050000000205 060100001705 056400000202 056000000206 060000000706 056000000706 056000000706 056000000706
CLA 500025 STD 6100+5 ENH 500022 L0P+ 5 0026 077400405007 06340040707 002000004571 050000007432
05640 050000407562 -06000040762 200001405660 060000004511 007400405007 06340040707 002000004571 050000007432
L0P+ 5 0-+5 STQ 000-25 TIX +01-+ STZ 6000N9 AKT 710-07 SKA 610-P7 TRA 0+00N2 CLA 50001+
05650 000100000624 007400400117 000000005174 052000005174 002000005660 007400401673 000000000001 004013005174
STI 610+1 TSX 010-1+ HTK 0000R1 ZET 5+001B TKA 0+00+ TSX 010-+ HTR 000001 TLO 0-0R1

05660 00740040566 002000005007 063400406022 056000007732 -077400407772 077400200010 -060000400000 -050000207741
TSX 010-05 TRA 0+0007 SXA 610-8 LDQ 5 000+ AXG P10-00 AXT 710-00 STJ 300-00 CAL 400-00
05670 0040200400001 -050000207744 060200400002 177751405674 200002205666 060000400000 -062000400000 077400100214
SLW 620-01 CAL N000+M SLW 670-02 TXI 00R-01 TIX 002+00 STZ 600-00 SLJ 0+0-00 AXI 710021
05700 -050000002406 077400200024 052000000273 002000005702 060200210021 060200210050 060200210126 060200210126
CAL N00006 AXI 710-00 ZET 5+002, TRA 0+0002 SLW 62000A SLW 620A0Q SLW 620A1F SLW 620+00
05710 060230210077 200001205704 077400200024 056000103476 007400402333 077100000014 -050100006043 060200210126
SLW 620A0+ TIF 0+1+00 AXI 710-00 LDQ 5 080+ TXI 010-00 AKS 72000+ DMA N100 L SLW 620+00
05720 075400100000 073700400000 100476405723 063400406037 077400400030 -050000400170 -032000000204 040200000337
PKA 7+0800 PAC 7+0-00 TXI 840-00 SXA 610-0 AXI 710-00 CAL N00-1Y 002000005737 200001405725 075400103000
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TNZ J000+00 CAL N00-1 ANA L+00-3 DMA N100-0 SLW 620A0A TRA 0+00+0 TIX 0+1-0E PAX 7+0800
05740 077100000002 073700400000 300200105744 100040405745 100103405745 075400400000 060200006037 CC+40040766
ARS 720002 PAC 7+0-00 TXH H208+M TXI 813-00 PAX 7+0-00 SLW 6200+ TXS 610-7W
05750 -013000000000 -050100006041 060200210077 -050000006042 060200210126 077400406764 367651406007 -050000400007
XCL JH0000 DRA N100 J SLW 620A0+ CAL N000 K SLW 620A1F AXI 7100-0 TXH 00R-7 CAL N00-0Y
05760 -032000000204 040200006037 010000005764 100002405756 050000400000 -073400400000 -300000405774 -013000000000
ANA L+0024 SUB 4200+ TZE 1000+0 TXI 802-00 CLA 500-00 PDX P10-00 TXL Y00-01 XCL JH0000
05770 007400402333 077100000014 -050100006043 060200210126 056000100901 077400400000 -076300000006 004400000000
TSX 010-00 ARS 72000+ DRA N100 L SLW 620A1F LQV 5 0651 AXI 710-00 LSL P1000 PAI 000000
06000 005400000077 100006406005 -050100006040 100006406004 -30003405776 -076300400044 060700210050 200001406011
RFT 0+000+ TIX 806-5 DRA N100-0 TXI 806-4 TXL Y00-00 LGL P10-00 SLW 620A0Q TIX 0+08 9
06010 177774106012 200001205713 056000006024 060000000273 007400401357 000000006044 300000105700 007400401673
TXI 00R 9 TIX 0+1+00 LDQ 5 00 0 STQ 00002, TXS 610-00 HTR 0000 M TXH H008+0 TXS 010-00
06020 0000000030001 004000000000 077400400000 002000400001 002000400001 002000400001 002000400001 002000400001
HTR 000001 TLQ 0-0000 AXI 710-00 TRA 0+0-01 TCNA -L 0000 TMI J+00+ CAL N000+ SLW 620000
06030 -050000006036 060200000023 002000400001 060000000273 002000400001 000016000042 30016400774 000000002000
CAL N000+ SLW 62000C TRA 0+0-01 STZ 60002, TRA 0+0-01 HTR 00+00K TXH H1000L HTR 000000
06040 000000000060 006060600000 -2042416242 -206000000000 000000000272 007400106301 053500200153 060000006125
HTR 00000 TCNA 0 00 TXH DISK TXH 0000 HTX 00002+ TSX 010871 LAC 5+0+18 STZ 60007E
06050 -300000206054 -050000206002 -032000 7247 060100006125 077400100022 -300000206070 060100006123 007400400765
TXL Y00+00 CAL N00+02 ANA L+00+P TXI 61007E AXI 71000P TXL Y00+ Y STO 61007C TXS 010-7V
06060 -060000106165 050000006123 007400400766 -060000106163 -050000002406 060200106161 050000006162 060100106160
STO 00087V CLA 50007C TSX 010-7W TXI 00087T CAL N00006 SLW 620077 CLA 500075 TXL 61007
06070 -300014106077 053500200147 060000006124 -300000206076 -050000200002 060100006124 177771106055 -300005106103
TXL Y0+00 LAC 5+0+1P STZ 60007D TXL Y00+00 CAL N00+02 STO 61007D TXI 00R+ TXL YC508/3
06100 053500200151 -050000200002 177771106055 007400401673 000000000006 004000006105 004007006126 000007006135
LAC 5+0+1H LAC 5+0+02 TXI 00R+00 TSX 610-00 HTR 000036 TLQ 0-0075 TLQ 0-0075 TLQ 0-0075
06110 000007006144 004007006153 001002006133 052000000207 002000006123 060000006736 -050000006122 060200000022
HTR 00707M TLQ 0-0075 CS207, ZET 5+0027 TRA 0+007+ STZ 60007+ CAL N0007B SLW 620000
06120 076000005000 002000004512 000022000000 000000000001 000000003054 000000000157 -20472551147 302551214360
BTTF 7 0000 TRA 0+000M HTR 000000 HTR 003001 PTK 00036 HTR 00001+ TXH PERIP TXH HERAL
06130 263143256047 -06623163146 -056260216360 254524604626 -204146226600 -206270624747 016060606060
TIX FILE P OSITIO TXI END 00 TXH JUB TXH SYSP
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TXH REC, TXH J0111 TXL, FILE TXH 00000 TXH SYSDU
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TXH 12716 TXL, FILE TXH 00000 TXH SYSDU
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TXL, FILE TXH 00003 I TXI 010871 AXG P10+1- CAL N0007+ SLW 6200 LQV 5 0007
06170 -062000001126 0020000005520 252431634651 007400106301 077400400030 050000400170 073400200000 050000407470
SLQ 0+0009F TRA 0+00+00 TIX EDITOR TXI 010871 AXI 710-00 CLA 500-1Y PAX 710+00 CLA 500-1Y
06200 -3000000206205 -010000006227 063400406226 007400106374 002000006226 063400406226 007400406350 077400400000
TXL Y00+55 TNZ J0005G SXA 610-5F TXI 010881 TRA 0+005F SXA 610-57 TXS 010-7Q AXI 710-00
06210 010000006227 077400100004 044100200000 -005100400000 -052000200003 -005400440000 002000006231 062100006246
TZE 10005G AXI 710804 LD1 4J0+00 IIL -R0-00 NZT N+0+03 LFT -0+000 TRA 0+0051 TRA 6A0050
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CAL N00-1Y ANA L+00+0 DRA N10050 SLW 620-1Y SVA 610-5F TSX 010-75 TXI 710-00 TXI 0+1-7+
06230 002000005007 -300003 6233 044100100200 -004600000000 037002000000 300000206212 200001106232 056000407301
TRA 0+0007 TXL 385, LD1 4J0820 PIA -00000 PAC 7+0+00 TXH H00+5+ TIX 0185+ LDQ 5 0-1
06240 -060000006274 063400 6226 007400401673 000000000001 000000506274 002000006226 000000000000 056000100001
STO 000051 SXA 610-5F TXI 010-00 HTR 000001 HTR 000501 HTR 0+005F TRA 0+005F HTR 000000 LDQ 5 0801
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STO 000051 TSX 010-00 HTR 000002 HTR 000000 HTR 00305+ TRA 0+0007 TXH 1540RF TXH 1540RF
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TIX 0 TIX 01085P TXH ILLEU TXI AL SYS TXH UNI DE TIX F1111 ON
06270 056000007262 -06 J0006274 007400106247 000005006274 -145454545454 -204546602162 -223127454425 -056360442124
LDQ 5 00+5 ST 00005+ TSX 01085P TXH 005051 TXH NO AS TXH SIGNM TXH MAD
06300 256060606060 TIX E SXA 010-00 HTR 000001 000013005174 002000100001 062100006340 -052000006340 002000400001
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SXA 610-7+ SXA 610+7+ PAC 7+0+00 CLA 500+00 AXI 720709 STP 600+00 ANA L+00+0 AKS 720000
06320 036100000111 073700400000 100001406323 050000400000 -032000000204 034000006340 002000006330 002000006335
ACL 370019 PAC 7+0-00 TXI 801-7C CLA 500-00 ANA L+0024 CAS 3-007- TRA 0+007H TRA 0+007+
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PAC 7+0-00 TXH H00-7C AXI 7100P+ AXI 7100P+ HTR 0+0-01 CLA 500+00 STA 6A0-00 TRA 0+007+
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SXA 610-7+ SXA 61087+ PAC 7+0800 TXL 00R+00E TXI 00R+00E TXL Y00+UE TIX 0+0+01 CLA 50081X
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STO 68007+ ARS 72000+ STU 68007T TXI 7002000000 -037000002074 044100200000 077400400000 077400100000
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TRA 0+0-01 TXH H03+UE CLA 500814 060100006433 -077400200000 044100200000 004200006417 002000006423 076000000006
06410 076700000004 ALS 740004 STU 6100U, AXG P10+00 062100006417 062100006417 002000006417 002000006417 002000006417
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ANA L+00+K TIF 00000U CLA 5000U, TXI 0+1-0+ TIX 0+07+00 PAX 7+0000 TRA 0+007+ TXL 7+00
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PAC 7+0-00 PAX 7+0-00 TRA 0+007+ HTR 003000 SXA 6108V+ SXA 610-7+ 17777406446 200001106442 -062500006425
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LAC 5+0-00 LAC 5+08+V LAS 1-0-00 TRA 0+000U TXI 00R+00 TXI 00R+00 TXI 00R+00 TXI 00R+00
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LDQ 5 00+ ZET 5+000H TRA 0+000H CAL 62010C LDQ 5 0037 -034000006451 -034000006451
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TXA 0+0000 KDS 7500+ TXA 0+0000 KDS 7500+ RCHS 5+000+ LCHA 5+0000 TXA 0+0000 TXA 0+0000
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TIX CAPLS SLW 620012 LAC 5+0+1 TXI Y000P TXI Y000P TXI Y000P TXI Y000P TXI Y000P TXI Y000P

[illegible]

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		WORKS	11425	10	11427	ALL	CONTAIN	000000000000	
								000000000000	
								000000000000	
11430	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
HTK	000000	HTK	000000	HTK	000000	HTK	000000	HTK	000000
11440	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
HTK	000000	HTK	000000	HTK	000000	HTK	000000	HTK	000000
11450	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
HTK	000000	HTK	000000	HTK	000000	HTK	000000	HTK	000000
11460	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
HTK	000000	HTK	000000	HTK	000000	HTK	000000	HTK	000000
11470	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
STR	000000	STR	000000	STR	000000	STR	000000	STR	000000
11500	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
HTK	000000	HTK	000000	HTK	000000	HTK	000000	HTK	000000
11510	267345656060	000000000000	243000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
TIX	FCNV	HTK	000000	TIX	DM0000	HTK	000028	TIX	000028
11520	200000000000	233000000000	266300000000	063400412172	062200011614	062200011614	062200011614	062200011614	062200011614
TIX	000000	TIX	CH0000	TIX	F 0000	SXA	610JA	TIX	6801+
11530	062100011576	062200011543	062200011550	062200011560	062200011565	062200011554	062200011554	062200011554	062200011554
STA	6A01+	STD	69U1+	STD	6801+	STD	6801+	STD	6801+
11540	063400111572	063400211573	056000012067	002000011545	056000012065	062000011730	062000011730	062000011730	062000011730
SXA	6109+	SXA	610A+	LQD	5 01+	LQD	5 01+	LQD	5 01+
11550	002000011552	056000012066	-062000011753	077400411705	002000011556	077400411691	063400411570	077400411672	077400411672
SXA	0+01+	LQD	5 01+	SLQ	0+01+	TRA	0+01+	SXA	610JA+
11560	002000011562	077400411601	063400411740	063400411756	063400411761	002000011570	060000012161	060000012161	060000012161
SXA	0+01+	ACT	710J+	SXA	610JA+	SXA	610JA+	STZ	6001A+
11570	007400211705	077400451772	077400170757	077400200000	002000040001	063400211577	007400213734	077400265723	077400265723
TSX	010A+	ACT	710J+	ACT	710+	TRA	0+01+	TSX	010A+
11600	002000020001	063400211630	002000011603	007400211575	077400200000	044160012072	005400077777	002000011632	002000011632
TRA	0+01+	SXA	610A+	TRA	0+01+	TSX	010A+	ACT	710+
11610	-004600000000	0							

12250	-063400412547	053500400107	050200400007	073400400000	-063400412237	050600412546	073700400000	100306412740
	SXD 010JEP	LAC 5*0-17	CLA 500-07	PAX 710-00	SXD 010JEP	LLA + 50 1ED	PAC 7*0-00	TXT 816JEB
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	TXH 000JEB	ZET 5*01EL	TRA 0*01E	ZET 5*01EM	TXA 0*01B	LXA 510JUE	TXL 000JUE	AXT 710JEB
12250	063400412356	077400406103	044100012542	002000400001	077400404471	063400412336	053400412546	100001412760
	SXA 610JUC	AXT 7100J3	LUI 4J01EK	TPA 0*0-01	AXT 710-MZ	SXA 610JUC	LXA 510JED	TXT 801JEB
12260	063400412267	100001412262	063400412267	044100003046	060000012550	-005400100000	-062500012550	044100003045
	SXA 610JEB	TXT 801JEB	SXA 610JEB	LUI 4J000H	STZ 6001EG	LFT +*0800	STL 0E01EQ	LUI 4J000H
12270	-052500012552	005400003000	005400003000	060000012551	-005400040000	-062500012551	-052000012543	002000012317
	STL 0E01E	LFT +*00M0	STZ 6001E	STZ 6001ER	LFT +*0400	STL 0E01EQ	NZT +*01E	TRA 0*01C
12300	052000012552	002000012310	052000012551	007400412362	044160012267	-005700003000	060460012267	002000012311
	ZET 5*01E	TRA 0*01C	ZET 5*01ER	TSX 010JES	LUI + 4J 1BX	KIL +*00M0	STI + 64 1BX	TRA 0*01C
12310	-052000012551	077400412366	077400412372	052000012550	077400412545	063400412340	002000012251	052000012550
	NZT +*01ER	TSX 010JEC	ZET 710JEC	ZET 5*01EQ	AXT 710JEP	SXA 610JUC	TRA 0*01ER	ZET 5*01EQ
12320	002000012553	052000012552	002000012376	-052000012551	077400412366	002000012251	052000012551	007400412362
	TRA 0*01E	ZET 5*01E	TRA 0*01C	NZT +*01ER	TSX 010JEC	TRA 0*01ER	ZET 5*01ER	TSX 010JES
12330	044160012267	-005500001000	-005700002000	060460012267	002000012324	063400412346	007400404467	012422003110
	LUI + 4J 1BX	SIL +*00M0	RIL +*00+0	STI + 64 1BX	TRA 0*01C	SXA 610JUC	TSX 010-MX	108018
12340	012406012372	000000011702	-052000012544	002000012346	-053500412341	-063400412545	0774004064067	002000400001
	1061C	HTR 0001E	NZT +*01EM	TRA 0*01C	LDC N*0JCU	SXD 010JEN	AXT 7100-X	TKA 0*0-01
12350	052200012335	007400404471	000300003044	000311274466	002000012356	052200012335	007400412535	012432003110
	XEC 5801C	TSX 010-MZ	HTR 0000H	039C9M	TRA 0*01C	XEC 5801C	TSX 010JUE	10D01H
12360	000004311202	002000012346	052200012335	007400404463	-100000003110	002000012346	052200012335	007400404465
	HTR 0041E	TRA 0*01C	XEC 5801C	TSX 010-MT	STX 00001B	TRA 0*01C	XEC 5801C	TSX 010-MV
12370	-100000003110	002000012346	077400400042	052000012544	077400400051	063400412453	007400412442	060100012463
	STR 00001B	TRA 0*01C	AXT 710-0K	ZET 5*01EM	AXT 710-0R	SXA 610JED	TSX 010JDK	STO 6101OT
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	STO 0001DU	TSX 010-0	TXT 8011ES	1FE02K	HTR 0001ES	TRA 0*01C	AXT 710-0L	ZET 5*01EM
12410	077400400052	063400412470	007400412442	060100012500	-060000012501	007400405646	100001012421	012625000253
	AXT 710-0	SXA 610JED	TSX 010JDK	STO 6101ED	STO 0001E	TSX 010-0	TXT 8011DA	1FE02B
12420	000000312470	002000012336	007400412442	060100012520	-060000012521	007400405646	100001012431	012625000260
	HTR 0001DY	TRA 0*01C	TSX 010JDK	STO 6101E	STO 0001E	TSX 010-0	TXT	

13060 063400213122 063400113121 -060000113574 053400413572 -300000410513 063400410441 002000013531 050000012723
SXA 610A1E SXA 61091A STU 100101 LXA 510J00 TAL Y00J50 SXA 610J4J TRA 00101 CLA 5001GC
062200013066 002000006672 007400413057 -077400213117 002000013540 050000013572 060100011507 002000013123
STD 6801HM TRA 0000M TSX 610JH0 AKC P10A10 TRA 00101 CLA 500100 002000012721 007400413057 077400400000
13100 002000013102 107513413236 107651413236 050200013572 060100013572 002000012721 007400413057 077400400000
TRA 00112 TXI 80-J00 TXI 80RJ00 CLS 520100 STU 610100 063400413605 077400400000 -200001413142 063400413115
13110 200001413155 053400413605 300002413162 177777413114 TXI 000J11 SXA 610J05 AXI 710-01 TXI 01J1K SXA 610J10
TXI 01J10 LXA 510J05 TXI H02J15 060000013572 002000012721 007400413611 050060013576 060100013650
13120 056000013574 077400100030 077400274461 STZ 600100 TRA 001GA 077400405646 100001013141 013667000115
LDQ 5 0101 AXI 7100H0 AXI 7100M7 060200013645 77400400000 077400405646 100001013141 013667000115
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CLA 500100 SXA 610J11 TSX 010J0F 062200006571 077400405646 100001013141 013667000115
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HTR 000100 TRA 0011K CLA 5001GC 062200006571 077400405646 100001013141 013667000115
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LDQ 5 0100 TRA 0011C LXA 510J05 TXI 000J10 SXA 610J05 CLA 500100 STA 6A0110 ARS 720000
13170 062100013157 050000013603 060100013573 050000013602 062100013157 077100000022 062100013151 -053400413605
STA 6A0110 CLA 500100 STU 610100 CLA 500100 062100013157 077100000022 062100013151 -053400413605
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SXA 610J17 TRA 00110 CAL N00107 060200012713 060200012713 060200012713 060200012713 060200012713 060200012713
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LGR PV0003 ADM 410104 LGL P10J03 ADM 410104 036100011504 036100011504 036100011504 036100011504
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PXA 700-00 TRA 00105 TRA 00105 CLA 5001GC STD 680025 AXI 710-X3 SXA 610-M1 LXA 510J00
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SXA 610J52 TRA 0011C LXA 510J05 TXI 93WJ00 LXA 510J05 TRA 00108 LQA 510J05
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SXA 61091E AXI 7100M0 TRA 00101 SXA 610X10 LXA 510A1B STA 00010 TXI 0691A TXI Y0690V
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LDQ 5 0000 QOL P0800 STD 00010F TXI 0690V TXI 0690V TXI 0690V TXI 0690V TXI 0690V TXI 0690V
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TXI 000J04 XEC 580140 SXA 610J09 TXI Y05J01 TXI 000A05 PXA 700000 STA 6A0110 SUB 420100
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TRA 00104 TRA 00110 TXI 80CJ00 TXI 80CJ00 CLS 520102 STD 610103 TRA 0011A CLA 50011A
13420 002000013234 077400410404 063400406674 077400411434 063400410404 077400400001 063400410407 -063400410413
TRA 00101 AXI 710J44 SXA 610-M1 AXI 710J41 SXA 610J40 AXI 710-01 SKD 010J47 SKD 010J47
13430 002000013237 002000013434 060000011503 002000013417 077400410273 063400410273 077400410273 077400410273
TRA 00101 TRA 00111 STZ 600103 TRA 00101 AXI 710CJ2 AXI 710CJ2 AXI 710CJ2 AXI 710CJ2
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AXI 710-05 TRA 0011F AXI 710J44 SXA 610J42 STZ 600103 077400407267 077400407267 077400407267 077400407267
13450 063400407265 077400407143 063400407072 053400407102 063400407267 077400407267 077400407267 077400407267
SXA 610-V AXI 710-2L SXA 610-Y TXI 80YJ00 TXI 80YJ00 TXI 80YJ00 TXI 80YJ00 TXI 80YJ00 TXI 80YJ00
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STZ 600100 STZ 600100 AXI 710J47 SXA 610J42 AXI 710PM0 AXI 710PM0 AXI 710PM0 AXI 710PM0 AXI 710PM0
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TRA 00101 ZET 500105 TRA 00155 STZ 600103 AXI 710CJ2 AXI 710CJ2 AXI 710CJ2 AXI 710CJ2
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SXA 610A00 TRA 00100 TSX 010A07 TRA 00100 AXI 710PK1 AXI 710PK1 AXI 710PK1 AXI 710PK1
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SUR 420100 TZE 10010Y CAL N00100 TNO J-0100 LGL P10006 TNO J-0100 XEC 580140
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TXI 80100 TXI 70290 TXI H0290U 046773011100 -206 30000000 000000000000 000000000000 000000000000
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HTR 000000 SLW 620102 HTR 000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
13600 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
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SLW 620100 CAL N00100 SLW 620102 SLW 620103 SLW 620104 SLW 620104 SLW 620104 SLW 620104
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CLA 500100 SXA 610J00 AXI 710H05 ALX 7X0003 LGL P10003 000000000000 000000000000 000000000000 000000000000
13640 000000000003 000000013641 000000013643 002646514421 -236021636060 000000000000 000000000000 000000000000
HTR 000000 HTR 0010L HTR 00410L TRC OFUPMA TXI TAT TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX
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TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX
13660 254260634646 -20434645276 216043314525 006341252763 000000000000 000000000000 000000000000 000000000000
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TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX TXI XXXXX
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HTR 000000 HTR 0010L HTR 00410L TXI 80J00 TXI 80J00 TXI 80J00 TXI 80J00 TXI 80J00 TXI 80J00
13710 -063400113760 007400413760 007400264236 002000013760 002000013760 002000013760 002000013760 002000013760
SXI 010JC TXI 010JC AXI 710000 TRA 00101 HTR 000740 TXI 80J00 TXI 80J00 TXI 80J00 TXI 80J00 TXI 80J00 TXI 80J00

13730	063400413733 SXA 610J+	007400412175 TSX 010JA	100002013726 TXI 8021F	013740000007 10-007	000001000C00 HTX 000100	-300000612072 TLX Y00F++	050000012547 CLA 5001EP	007400411523 TXI 010JC
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13740	0000000051772 HTR 0005F	266651226060 TIX FWRB	063400413766 SXA 610J+H	063400402652 SXA 610J-F	063400413756 SXA 610J+	007400412175 TXS 010JA	100002013752 TXI 8021F	013766000015 10-000
13750	000000000001 HTR 000001	300000611447 TXH H00F/P	007400412631 TXS 010JF1	100002013757 TXI 8021F	013766000021 10-000A	076100013757 NOP 01F	000000053026 HTR 0005HF	063400213764 SXA 610A+U
13760	007400412335 TXS 010JC	007400200001 AXT 710+01	063400206700 SXA 610+X0	063400206701 SXA 610+X1	077400265074 TXI 710F01	002000200001 TRA 0+0+01	000000053026 HTR 0005HF	265124266060 TXI FRD0
13770	063400414012 SXA 610J+	063400402652 SXA 610J-F	063400414005 SXA 610J-F	007400412175 TS4 010JA	100002010000 TXI 8021-0	014012000006 TOV 1-0006	000001000001 HTR 010J01	300000612072 TXH H00F++
14000	050000012547 CLA 5001EP	007400411523 TXS 010JC	100002014006 TXI 8021-6	014012000013 TOV 1-000	076100014006 NOP 7/D1-6	000000052150 HTR 0005A0	007400412335 TXS 010JC	-053400412545 LKD 410JEN
14010	-063400411624 SXD 010JC	002000200001 TRA 0+0+01	000000052150 HTR 0005A0	265124226060 TIX FRD0	063400414150 SXA 610J0J	063400402652 SXA 610J-F	063400414073 TXS 010JF	067400412631 TXS 010JF
14020	100002014024 TXI 8021-0	014150000010 LJQ009	002000011404 TRA 0+0+0	000000054215 HTR 0005K	063400214132 SXA 610J+J	063400114062 SXA 610J-5	077400100000 AXT 710000	-075400000000 PXD P=0000
14030	056000011202 LDQ 5 0192	-076300000006 LGL PT0006	01006001+137 TZE + 10 1J+	077400200003 AXT 710+03	036000214146 CAJ 3-0AJO	002000014037 TRA 0+01+	002060214137 TRA + 0+ AJ+	200002121403 TIX +01A-1
14040	006030014140 STZ 6001J-	0C2000014006 TRA 0+01+	077400411000 AXT 710J80	002000014045 TRA 0+01-H	060000014140 STZ 6001J-	050000014047 CLA 5001-P	062200014072 STD 6801--	002000014057 TRA 0+01+
14050	050000014146 CLA 5001J0	062200014072 STD 6801--	060000011421 STZ 6009JA	0777777114073 TXI 1009-3	050000014141 CLA 5001J0	060100014121 STD 6101JA	177777114040 TXI 1009--	050000014145 CLA 5001JA
14060	-076500000006 LGR PV0006	060000011202 STQ G001F2	077400200012 TXI 710+0	300014214077 XMH HOA-A	-075400200000 PXD P=0+00	060000014140 ADD 4001J-	062200014142 STD 6801JA	050000014142 CLA 5001JA
14070	060100114121 STD 6109JA	177777114072 TXI 1009-9	076100014050 NGP 7701-0	075400010000 PXA 740080	073700100000 PAC 760080	063400114120 SXA 6109J+	002000014117 TRA 0+01J	30004214115 TXH H00A+J
14100	177764214101 TXI 1009A1J	-075400200000 PXD P=0+00	040000014140 ADD 4001J-	062200014143 STD 6801J0	077400200014 AXT 710+01	111600214106 TXI 980A1J	-063400214142 SXD 010AJK	050000014142 CLA 5021JA
14110	060100114121 ST 6109JA	177777114112 TXI 1009-9	050000014143 CLA 5001J0	060100114121 STD 6109JA	002000014071 TRA 0+01-2	077400200010 AXT 710+08	002000014101 TRA 0+01J1	007400400706 TXS 010-76
14120	000000000001 HTR 000001	076100000000 NGP 770000	076100000000 NGP 770000	076100000000 NGP 770000	076100000000 NGP 770000	050000014146 CLA 5001J0	060100014121 STD 6101JA	060100014122 STD 6101J0
14130	060100014123 STD 6101JC	G60100014124 STU 6101J0	077400264236 AXT 710F+	0C2000200001 TRA 0+0+01	000000014054 HTK 0001--	000000014042 HTR 0001-K	000000014040 HTR 0001--	000000014

14540 007400404465 -100000002734 002000 00001 005125506425 -226360634660 -265131637560 254626604645 -206445316360
TSX 010-MV STP 0000G1 TRA 0+0+01 IIR OREGUE TNX ST TO TNX WRITE TIX EOF UN TNX UNIT
14550 216262312745 252460216260 -227062314501 -336270624664 017360465160 -227062474701 -203021626022 25245603127
TIX ASSIGN TIX ED AS TNX SYSTNI TXL ,SYSSOU I. OR TNX SYSPPI TNX HAS B TIX EEN IG
14560 -054651252433 0000000056235 262526616060 000000014571 077400200000 077400452007 044100014570 002000400001
LCHF NREFL. HTR 00055+ TIX FEFT TXI EGOINZ AXI 71G+03 AXI 71G+03 AXI 71G+03 AXI 71G+03 AXI 71G+03
14570 000000000001C 060400014570 063400402652 063400414660 063400414565 063400214564 050060400003 062100014652
HTR 00000H STI 6401NY SXA 610-F- SXA 610J0 SXA 610JW SXA 610AMU SXA 610AMU SXA 610AMU SXA 610AMU
14600 062100714655 062100014657 073700400000 044100400002 -065400200000 002000014616 053500414657 044100400001
STA 6A01G+ STA 6A01G+ PAC 7+0-00 LDI 4J0-02 LFT -+0+00 TRA 0+010+ LAC 5+0J0+ LDI 4J0-01
14610 -065400002000 -005700003000 -005400003000 002000014624 007400214651 002000014564 007400406301 100001014622
LFT -+00+00 RIL -+00H0 LFT -+00H0 TRA 0+0100 TSX 010AGK TRA 0+01NU TSX 010-T1 TXI 801106
14620 014660300043 000000014623 002000014564 000015014634 -005600040000 007400214654 007400214651 053500414657
LU 00L HTR 00010C TRA 0+01NU HTR 00+101 LMT -+0400 TSX 010A0+ TSX 010A0R LAC 5+0J0+
14630 044100400001 -005700003000 060400400001 002000014564 005125506425 -226360634660 -112566314524 -206445316360
LDI 4J0-01 KIL -+00H0 STI 640-01 TRA 0+01NU IIR OREGUE TNX ST TO TNX UNIT
14640 216262312745 252460216260 -227062314501 -336062706246 -240173465160 -227062474701 -203021626022 25245603127
TIX ASSIGN TIX ED AS TNX SYSTNI TXL ,SYSSOU TNX UI,OM TNX SYSPPI TNX HAS B TIX EEN IG
14650 -054651252433 007400404463 200000003044 002000200001 007400404465 -100000003044 002000200001 000000303044
LCHF NREFL. TSX 01C-MT TIX +00H0M TRA 0+0+01 TSX 010-MV STR 0000HM TRA 0+0+01 HTR 0000HM
14660 000000052007 265166636060 000000014570 077400277774 077400445331 044100014667 002000400001 000377000001
HTR 0005+7 TIX FRWT TXI 8001JY AXI 710G+1 AXI 710M+1 LDI 4J010X TRA 0+0-01 03+0F1
14670 060400014667 063400402652 063400414664 063400214663 063400414716 002000100001 077400177774 002000014663
STI 64010X SXA 610-F- SXA 610J0U SXA 610A0T SXA 610JW SXA 610JW SXA 610JW SXA 610JW SXA 610JW
14700 063400114676 007400114662 053400114714 063400114725 007400414720 002000014676 063400114676 007400114662
SXA 51090+ TSX 01090S LXA 5109P+ SXA 6109PE TSX 010JW+ SXA 6109P+ SXA 6109P+ SXA 6109P+ SXA 6109P+
14710 053400114711 063400114741 007400414733 002000014676 000000011722 000000011742 000000011742 266243223160
LXA 5109P+ SXA 6109PJ TSX 010JW+ TRA 0+010+ HTK 0001+8 HTR 0001+K HTR 0001+K HTR 0001+K TIX FSLB1
14720 063400414731 007400214751 073700400000 -063400414730 077400200000 007400411722 060100231760 177777214730
SXA 610JPI TSX 010APR PAC 7+0-00 SKD 010JPH AXI 710+00 TSX 010J+8 STO 612C+ TXI ***APH
14730 377401214725 077400463074 002000400001 063400414731 007400214751 076760000001 073700400000 063400414747
TXM +11APE AXI 7100H+ TRA 0+0-01 SXA 610JPI TSX 010APR ALS 7X0001 PAC 7+0-00 SKD 010JPP
14740 07740020000C 007400400000 060100231760 177777214746 -0600600114742 100001214746 177776214747 300000214741
AXI 710+00 TSX 010-00 STO 610C+ TXI ***APH STU + G0 1PK TXI 801AP0 TXI ***APP TXM H00APJ
14750 002000014731 053400402652 050000400003 062100014726 062100014742 050060400004 002000200001 100000014765
TRA 0+01P LXA 510-F- CLA 500-03 STA 6A01PF SXA 6A01PK CLA + 50 -04 TRA 0+0+01 TXI 8001PV
14760 077400277774 077400451407 044100014764 002000400001 000000000000 060400014764 063400402652 063400414761
AXI 710C+ AXI 710M+7 LDI 4J01PU TRA 0+0-01 HTR 0000U SSI 6401PU SXA 610-F- SXA 610JW/
14770 063400214760 063400415012 002000100001 077400112130 002000014760 063400114773 007400114757 053400115011
SXA 610AP SXA 610JQ+ SXA 610JQ+ TRA 0+0P+1 AXI 710M+8H TRA 0+01P SXA 6109P+ TSX 0109P+ SXA 6109P+ SXA 6109P+
15000 063400115060 007400415052 002000014773 063400114773 007400114757 053400115011 063400115077 007400415065
SXA 6109Q TSX 010JQ+ LXA 5109Q+ TSX 0109P+ TSX 0109P+ TSX 0109P+ TSX 0109P+ TSX 0109P+ TSX 0109P+ TSX 0109P+
15010 002000014773 000000006664 000000015107 266243244660 100000015022 077400277611 07740044255 044100015021
TRA 0+01P, HTR 0000WU HTR 0005+7 TIX FSLD0 TXI 800108 AXI 710G+9 AXI 710M+7 AXI 710M+7 LDI 4J01QA
15020 002000400001 000310000001 060400015021 063400402652 063400415016 063400215015 063400415050 002000010001
TRA 0+0-01 038001 STI 6401QA SXA 610-F- SXA 610JQ+ SXA 610JQ+ SXA 610JQ+ SXA 610JQ+ SXA 610JQ+ SXA 610JQ+
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AXI 710+1X TRA 0+010+ SXA 6109QH TSX 01090+ LXA 5109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+
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SXA 6109QH TSX 0109Q+ LXA 5109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+ TSX 0109Q+
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HTR 0004K+ TIX FSLR0 SXA 610JQ+ TSX 010AR3 PAC 7+0-00 SKD 010JQS AXI 710+00 CLA 500B+0
15060 007400406664 177777215062 377773215057 077400462777 007400462777 002000400001 063400415063 007400215103
TSX 010-WL TXI ***AQ5 TXM **AQ+ AXI 7100C+ AXI 7100C+ AXI 7100C+ AXI 7100C+ AXI 7100C+ AXI 7100C+ AXI 7100C+
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PAC 7+0-00 SKD 010JQ+ AXI 710+00 LXA 500B+0 TXI ***AQ+ LQO + 5 LQ, TXI 801AQ+ TXI 801AQ+ TXI 801AQ+ TXI 801AQ+
15100 177776215101 300000215073 002000015063 053400402652 050000400003 062100015057 062100015073 050060400004
TXI ***AR1 TXM H00AQ, TRA 0+010+ LXA 510-F- CLA 500-03 STA 6A01Q+ STA 6A01Q+ STA 6A01Q+ STA 6A01Q+ STA 6A01Q+ STA 6A01Q+ STA 6A01Q+
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TRA 0+0+01 TXI 8001R+ AXI 710+00 AXI 710M+7 TRA 0+0-01 SXA 610-F- SXA 610J+ SXA 610J+ SXA 610J+ SXA 610J+ SXA 610J+ SXA 610J+
15120 063400215112 050060400003 010000015135 -012000015135 034000015207 002000015135 002000015127 073700200000
SXA 610AR+ CLA + 50 -03 TZE 1001R+ TXI J001R+ CAS 3-01-7 TRA 0+01R+ TRA 0+01RG PAC 7+0+00
15130 050060215207 073400200000 -300000215135 060160400004 002000015112 050060400003 -012000015203 013100000000
CLA + 50 A-7 PAX 710+00 TXL Y00AR+ STO + 61 -04 TRA 0+01R+ CLA + 50 -03 ANA L+01-3 050000015234 XCA 110000
15140 077400400000 060000015204 075400000000 022100015205 076700400000 -060200015204 050000015234 040000015151
AXI 710-00 STZ 6001-4 PAX 7+0000 DVP 2A01-5 ALS 7X0-00 DRS 0201-4 CLA 5001-1 TLO 0+01RR
15150 177772415142 -050000015206 076700400006 -050100015204 -050100015204 007400405646 100001015161 015232000061
TXI **JRK LXA N001-6 ALS 7X0-06 DRA N101-4 SLW 6201R, TSX 010-00 TXI 8011R, TXI 8011R, TXI 8011R, TXI 8011R, TXI 8011R, TXI 8011R, TXI 8011R,
15160 000000015162 002000004073 000000000057 000007015165 000007015174 004346273121 214360644531 -236045466360
HTR 0001RS TRA 0+00+, HTR 00000+ HTR 00000+ HTR 00000+ HTR 00000+ DAT 0LOGIC TIX AL UNY
15170 262526314525 246024645160 -252143642560 -206060606060 004546604647 -233146452143 -202+67316360 -006025672523
TIA DEFINE TIA D FOR TNX VALUE TNX ONO UP TNX TUNAL TNX EXIT TCNA - FHEC
15200 -24633146456C -232551443145 216325246060 000000077777 000000000000 000000000001 206060606060 000000000022
TNX UTION TNX TERNIM TIX ATED HTR 0007+ HTR 00000+ HTR 00000+ HTR 00000+ HTR 00000+ HTR 00000+ HTR 00000+ HTR 00000+
15210 000000303210 000000014152 000000003211 000000003212 000000014153 000000014154 000000014154 000000014163
HTR 0000+8 HTR 0001J- HTR 0000+9 HTR 0000+ HTR 0001J+ HTR 0001J+ HTR 0001J+ HTR 0001J+
15220 000000003214 000000003215 000000003216 000000003217 000000014161 000000014162 000000014163 000000014164
HTR 0000+ HTR 0000+ HTR 0000+ HTR 0000+ HTR 0001J+ HTR 0001J+ HTR 0001J+ HTR 0001J+
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STO 6B01-7 TXI 800J-5 TXM H00J-V AXI 710-00 TRA 0+0-01 STA 6A01SR AMS 72000H STA 6A01SC
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CAL N00-00 ANA L+01-L ERA 3R01SR TZE 1001R+ TXI +01AR6 TRA 0+01R+ CAL N00+00 ANA L+01-L STA 6A01SO
15310 03200015323 010000015314 2000001215306 002000015320 050000015322 077160015306 050000015323 062100015300
ERA 3R01SR TZE 1001R+ TIX +01AR6 TRA 0+01R+ CLA 5001SR STA + 6A 186 CLA 5001SR STA + 6A 180
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AXI 710+00 TRA 0+01-T HTR 000000 HTR 000000 SXA 610JSM 060260200000 007400400704 000005200000 -077400400001
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LFT -+4J+00 LFT -+0010 TRA 0+01SP CAL P10-17 SLW + 62 +05 TSX 010-74 HTR 005+00 AXI 710-00
15340 070060200000 002000015340 -050000004524 032200015371 077400400000 044100015372 010000400002 002000400001
ZFT + 5+ +00 TRA 0+01S+ CAL N00ND ERA 3R01SR AXI 710-00 LDI 4J01R+ TZE 100-02 TXI 801R+ TXI 801R+ TXI 801R+ TXI 801R+ TXI 801R+ TXI 801R+ TXI 801R+
15350 015351015370 073700200000 -012000015366 -050000200000 077100000022 062100015360 060000000135 052060000134
LRI 18Y TMI J+01SM CAL N00+00 AXI 710-00 AMS 72000H STA 6A01S STZ 60001+ ZET + 5+ 011
15360 0767000J000C -050000200001 062160000727 052260000727 060060000726 002000400001 060000200001 002000400001
RIS 750000 CAL N00+01 STA + 6A 07G XEC + 5B 07G STZ + 60 07F TRA 0+0-01 STZ 600+01 TRA 0+0-01

15370 300016004524 -132545745125 000000000000 -30000774044 -100000024000 -300006000000 -357777777777 -367177777777
TXM H0*0MC BE40RE HFM 000000 TXL Y00*-M STR Q002-0 TXL Y00 00 TXL ***** TXL *****
15400 -377773777777 000004000000 004000000000 003000000000 050200477777 036100015236 062100015415 036100015236
TXL **,*** HTR 004000 TLQ 0-0000 TEFA 0H0000 CLS 520P** ACL 3/01- STA 6A01** ACL 3/01-
15410 062100015430 060160004556 -050000400000 -032000015247 -076300000004 060200077603 050000400000 062200004556
STA 6A01**M STD * 61 0M CAL M00-00 ANA L*01-P LGL PT0004 SLW 6207*3 CLA 500-00 STD 5800M
15420 -073400100000 100002115427 073400200000 076700000027 062260004556 050000015430 002000015440 05000004556
PDX P10000 TXI 8029*8 PAX 710+00 ALS TX0008 STD * 6R 0M CLA 5001**M TRA 0*01- CLA 5000M
15430 062000077604 062160015430 060100077605 -200001215444 075400100000 036100015430 062160015430 062100015430
STL 6007*4 STA * 6A 1**M STU 6107*5 TNX 01A**M PAX 7*0800 ACL 3/01**M STA * 6A 1**M STA 6A01**M
15440 036100015236 -032000015243 062100015432 002000015427 050000015430 062160015415 177777404667 000000002715
ACL 3/01- ANA L*01-L STA 6A01** TRA 0*01** CLA 5001**M STA * 6A 1** TXI ***-DX HTR 0000G
15450 -100000000000 -050000015466 053500104545 060200015463 075400100000 -076500000017 056400015235 007400400721
STR Q00000 CAL M001**M LAC 5*08MN SLW 6201**T PAX 7*0800 LGR PV000* ENB 5U01- TSX 010-7A
15460 060200021020 00140040706 000000000002 -000000000000 000001021020 007400400713 -000003020367 077400115705
SLW 6202** TSX 010-7* HTR 000002 -00000 HTR 00128* TSX 010-7* -0323X AXI 7109**5
15470 060000021017 -050000477777 077100000041 004400000000 070000477777 -073400200000 300000215513 063400415500
STZ 6002** CAL M00P** ARS 72000J PAI 0M0000 CLA 500P** PDX P10+00 TXI H0GA** SKA 610J*0
15500 -077400273417 177776215515 062100016062 050000017475 062100200001 -032000200001 -010000015451 044100015625
AKC P10G** TXI ***A** STA 6A01 S CLA 5001** STA 6A0+01 ANA L*0+01 TNZ J001**R LDI 4J01**E
15510 077400116005 050000400000 177777415513 073400200000 177777215515 063400215654 062200015623 063400416524
ART 7109 S CLA 500-00 TXI ***J** PAX 710+00 TXI ***A** SKA 610A** STD 6801**C SKA 610JVD
15520 063400115613 005600000020 002000015554 007400415645 002000015542 053500115614 -063400115531 -073400100000
SKA 6109** RNT 0+0020 TRA 0*01** TSX 010J**M TRA 0*01** LAC 5*09** SKG 0109** PDX P10800
15530 -073400400000 177777415532 -073400400000 062260015654 053400215654 063400215537 -005500020000 -075400103150
PDX P10-00 TXI ***J** PKD P+0-00 CLA 510A** SKA 610A** SIL **0200 PDX P0810
15540 007400116205 002000015523 -005400040002 002000015675 050000016062 062100200002 076700000022 062200200004
TSX 010955 TRA 0*01** LFT **0402 TRA 0*01** CLA 5001 S STA 6A0+02 ALS TX0008 STD 680+04
15550 -050000015537 -005400020000 062100200003 002000015603 007400415645 002000015577 -053400115623 -300000115577
CAL M001** LFT **0200 STA 6A0+03 TRA 0*01** TSX 010J**M TXA 0*01** LXD M109**C TXL Y009**
15560 052000021017 007400415565 050000015654 062100021017 002000015554 050060021017 073400100000 -063400115571
ZET 5+028** TSX 010J**V CLA 5001** STA 6A028* TRA G+01** CLA * 50 28* PAX 710800 SKD 0109*2
15570 -073400100000 100000115572 -073400100000 062260021017 -076000000003 007400116205 002000400001 -005400060000
PDX P10800 TXI 8009** PKD F+0800 STD * 6B 28* SSM P 0003 TSX 010955 TRA 0*0-00 LFT **0600
15600 -005400000002 002000015617 007400416201 053500416062 -005400020000 002000015612 -005400002000 002000015632
LFT **0002 TRA 0*01** TSX 010J** LAC 5*0J S LFT **0200 TRA 0*01** LFT **0+01 TRA 0*01**
15610 050200015244 007400116205 056400000735 007400415705 000300003110 -004600000000 062200200011 -053400115623
CLS 5201**M TSX 010955 ENB 5U007* TSX 010J**5 HTR 000018 PIA -00000 STD 680+01 LXD M109**C
15620 -20000115625 -063400115623 005600000020 -300000015554 002000015523 005500000200 -052000021017 002000004650
TNX 019**E SKD 0109**C RNT 0+0020 TRA 0*01**M TRA 0*01** NLT 0+028* NLT 0+0000
15630 007400415565 002060015627 -050000400001 0056000000200 -076000000003 040000016035 060200400001 -032000015245
TSX 010J**V TRA * 0+ 1**G CAL M00-01 RNT 0+0020 SSM P 0003 ADD 4001 * SLW 620-01 ANA L*01-N
15640 010000015610 032200016035 005400000020 010000015610 002000015612 050000015654 036100015236 062100015654
TZE 1001**8 ERA 3801 * RFT 0+0020 TZE 1001**8 TRA 0*01** CLA 5001**M ACL 3/01- STA 6A01**
15650 0056000000200 -005700020000 044500015376 056400015235 -050000004360 073700200000 062100015614 062100004556
RNT 0+0020 RIL **0200 RIS 4N01** ENB 5U01- CAL M00GL PAC 7*0+00 STA 6A01** STA 6A00M
15660 -032000015252 004300000000 050060015654 -005600000000 002000015666 002000400002 005400000200 062200200002
ANA L*01- JAI 0L0000 CLA * 50 1** LNT **0 00 TRA 0*01**M TRA 0*0-02 RFT 0+0020 STD 680+02
15670 050000200001 -005700700000 -032000021012 004300000000 002000400001 007400416371 00740040070* 000000000003
CLA 500+01 RIL **0Y00 ANA L*028* OAI 0L0000 TRA 0*0-01 TSX 010J** TSX 010-76 HTR 000003
15700 -000002020365 -000003200011 000006020401 007400400711 002000016602 005500002000 005600000000 002000015713
-0223V -03+09 HTR 006241 TSX 010-79 TSX 0*01 2 SIR 0+00+0 LNT **0600 TRA 0*01**
15710 050060200003 036100015236 062160200003 050000200003 002000015715 -005600003000 -005600040000 002000015723
CLA * 50 +03 ACL 3/01- STA * 6A +03 CLA 500+03 TRA 0*01** LNT **00H0 TRA 0*01**
15720 -005400003000 002000015746 007400417756 005600009004 007400416220 005400000004 002000015741 -050000016113
LFT **00H0 TRA 0*01** TSX 010J** RNT 0+0004 TSX 010J** RFT 0*01** CAL M001**
15730 005600000002 036100015244 062200015734 007400420326 000003200000 005400000006 002000015741 -005500000002
RNT 0+0002 ACL 3/01-M STD 6801** TSX 010K3F HTR 003+00 KFT 0*0006 TRA 0*01**J SIL **0002
15740 007400416326 -005400020000 052000021017 -005700030031 -005700040000 002000015615 007400420060 005600000005
TSX 010J** LFT **0200 ZET 5+028* RIL **0301 RIL **0400 TRA 0*01** TSX 010K0 RNT 0+0005
15750 002000015753 005600000002 002000015760 007400420326 000007200000 076100000000 -005400000400 -100000000000
TRA 0*01** RNT 0+0002 TRA 0*01** TSX 010K3F HTR 007+00 NJP 7/0000 LFT **0040 STR Q00000
15760 053500416062 -063400215764 050000400001 073400100000 174670115765 -300000115770 073700400000 002000015762
LAC 5*0J S SKD 010A**U CLA 500-01 PAX 710800 TXI *0Y9** TXL Y009** PAC 7*0-00 TRA 0*01**5
15770 050000200000 062100400001 005600000005 002000015776 005600000000 002000015741 002000015723 -005600040000
CLA 500+01 STA 6A0-01 RNT 0+0005 TRA 0*01** RNT 0+0002 TRA 0*01**M TRA 0*01**C LNT **0400
16000 007000016011 -005500040004 005400000020 002000015615 002000004645 005600002000 177776416011 -005500010004
TRA 0*01 9 SIL **0404 RFT 0+0020 TRA 0*01** TRA 0*000M LNT **0200 TXI ***J 9 SIL **0104
16010 002000015615 -005500010004 -005400000002 002000015675 005600020000 002000016026 050000200003 073400100000
TRA 0*01** SIL **0104 LFT **0002 TRA 0*01** LNT **0200 TRA 0*01 F CLA * 50 +03 PAX 710800
16020 177777116021 310000116111 075400100000 062160200003 050000200003 002000016026 063400416037 056000200000
TXI ***9 A TXM 100979 PAX 7*0800 STA * 6A +03 CLA 500+03 TRA 0*01 F SKA 610J * LQD 5 0+00
16030 -077300000022 016200016117 050000016207 062100200004 007400400704 000000200000 007400417744 077400465407
RQL P+0008 IQP 1501** CLA 500157 STA 6A0+04 TXI 010-74 HTR 000+00 TSX 010J**M AXI 7100*7
16040 050000477777 012000016045 -032000015250 -010000016102 002000016647 007400420326 000003200000 -050000015252
CLA 500P** TPL 1+01 N ANA L*01-0 TNZ J001/2 TRA 0*01 P TSX 010K3F HTR 003+00 CAL M001-
16050 032000200005 062100200003 -005400003000 002000016064 007400416201 -005400000400 -100000000000 -075400000000
ANS 3+0+05 STD 680+03 LFT **00H0 TRA 0*01 U TSX 010J51 LFT **0040 STR Q00000
16060 062100200001 007400117150 076100017602 002000016001 005600000300 002000016071 -05000004556 062100004543
STA 6A0+01 TSX 01092U NDP 7/07*2 TRA 0*01 I LNT **00H0 TRA 0*01 7 CAL M000M STA 6A00M
16070 007000016001 -005400000400 -100000000000 007400416201 053500416062 050000400001 062100200001 05000004556
TRA 0*01 I LFT **0040 STR Q00000 TSX 010J51 LAC 5*0J S CLA 500-01 STA 6A0+01 CLA 5000M
16100 062100400001 002000116001 -005600003000 002000016105 002000016066 002000016073 007400416201 007400416201
STA 6A0-01 TRA 0*01 I LNT **00H0 TRA 0*01/5 TRA 0*01 W LFT **00H0 TRA 0*01 TSX 010J51
16110 002000016057 007400400706 000000000002 -000003200011 00000702372 007400400711 002000016002 050000200005
TRA 0*01 * TSX 010-76 HTR 000002 007400416341 007400400712 050000016123 062500200000 CLA 500+05
16120 -012000016124 -050000200007 007400416341 TSX 010-74 CLA 5001/2 STT 6F+00 002000016032 -005400003000
TXI J+01/E CAL M00+07 TSX 010J** TSX 010-74 CLA 5001/2 STT 6F+00 002000016032 -005400003000
16130 0020000100001 -053400404546 -300000416130 007400420326 000003200000 0020000100001 000000000000 005500000020
TRA 0*0H01 LXD M10-MU TXL Y00J**M TSX 010K3F HTR 003+00 TRA 0*0801 HTR 000000 SIR 0+000+
16140 177777416141 063400416524 050000477777 062100004547 062200004556 007400004556 -005600040004 -005400003000
TXI ***J/J SKA 610JVD CLA 500P** STD 680GNO LNT **0404 TRA 0*01UD LFT **00H0
16150 002000004643 007400416201 -005400000020 007400117150 -005700000020 063400016767 007400416515 007400117205
TRA 0*000L TSX 010J51 LFT **000+ TSX 01092U RIL **000+ SKD 0101XX TSX 010J** TSX 0109**5
16160 007400117002 000000016646 000000016647 000000016647 000000016647 000000016647 002000004643 -005400003000
TSX 01092Y HTR 0001W HTR 0001W TRA 0*01X6 LNT **00H0 LNT **0400 TRA 0*000L LFT **00H0
16170 002000016172 002000004643 007400416201 007400416515 007400117435 007400117435 000000016646 000000016646
TRA 0*01/ TRA 0*000L TSX 010J51 TSX 010J** TSX 010J** TSX 010J** HTR 0001W HTR 0001W
16200 002000016735 050000200004 -073400100000 063400116062 002000000001 005400000200 076000000003 056400015235
TRA 0*01X CLA 500+04 PUX P10H00 SKA 6109 S TRA 0*0-01 RFT 0+0020 SSP 7 0003 ENB 5U01-
16210 040060016062 012000016215 062260016062 056400000735 0020000100001 -050000016217 002000015452 -000001020407
ADD * 40 1 S TPL 1+015* STD * 6A 1 S ENB 5U007* TRA 0*0H01 CIL M001S TRA 0*01- -03247
16220 063400416260 -050000200005 076700000004 010000016255 007400416371 056000200007 -060000020422 050000200003
STA 610J5 CAL M00+05 ALS 7X0004 TZE 10015 TSX 010J** LQD 5 0+07 STQ 00024R CLA 560+03

16230 007400400715 -060000020424 050000200005 007400400716 -060000020433 056000015254 -005400003000 002000016242
TSX 010-7 STQ 000240 CLA 500+05 TSX 010-7 STQ 000240 CLA 500+05 LQO 5 01-0 LFT -00000 TRA 0+015K
050000200005 007400400715 -060000020436 050000020440 -005400003000 050000020441 060100020434 067400400706
CLA 500+05 TSX 010-7 STQ 000240 CLA 500+05 LFT -00000 TRA 0+015K STQ 610241 TSX 010-76
16250 000000000004 -0000007020365 -000003200011 0000006070421 004011020427 -050000015252 032000200005 062200200003
HTP 000004 -0223V -03+09 HTR 000244 TLQ 0-424G CAL N001-0 002000016272 050060200003 -073400100000
16260 077400462054 002000400001 056400015235 063400416302 -005600020000 002000016272 TRA 0+015- CLA 50 +03 PDX P10800
AXT 7100+0 TRA 0+0-01 ENB 5001-0 SXA 610JT2 LNT -00200 TRA 0+015- 062260016062 -075400100000
16270 177777116271 -310000116277 -050060116062 -073400400000 -300000416304 040200015244 062260016062 -075400100000
TXI ***952 TXL 20095+ CAL * 40 1 S PDX P10-00 TXL Y00JT4 SUB 4201-M STD * 68 1 S PKD P=0800
16300 -005400020000 062260200003 077400400610 002000040002 053400416302 002000400001 053500416062 -005600020000
LFT -00200 STD * 6R +03 AXT 710068 TFA 0+0-02 LXA 510JT2 TRA 0+0-01 LAC 5+0J S LNT -00200
16310 002000016320 063400116317 050060200003 -073400100000 036100015244 062260200003 -310000116324 077400160455
TAX 0+01T+ SXA 6109T+ CLA * 50 +03 PDX P10800 ACL 3/01-M STD * 68 +03 TXL 2009TD AXT 710+4+
16320 -050000040000 040000015244 062200400000 002000100001 053400116317 002000100001 063400416337 007400416371
CAL N00-00 ADD 4001-M STD 6R0-00 TRA 0+0801 SXA 5109T+ TRA 0+0801 SXA 610JT+ TSX 010JT2
16330 -050000020007 060200074447 007400400706 000000000003 -0000007020365 -000003200011 004003020445 077400462040
CAL N00+07 SLW 62024P TSX 010-76 HTR 000003 -0223V -03+09 002000016350 002000016353
16340 002000400001 063400416364 060200020447 007400416371 050000016366 -005400003000 002000016350 002000016353
TRA 0+0-01 SXA 610JTU SLW 62024P TSX 010JT2 CLA 5001TW LFT -00000 TRA 0+01TQ TRA 0+01TQ
16350 050000016367 -005400000400 -100000000000 060100016360 007400400706 200000000004 -000002020365 -000003200011
CLA 5001TW LFT -00040 STW 400000 STQ 610JT2 TSX 010-76 TIX +00004 -0223V -03+09
16360 -000000000000 000002076446 050000016354 062500200000 077400400000 007400400000 002000400001 -000001020450 -050002020450
-00000 HTR 002240 CLA 5001T+ STI 6E0+00 AXT 710-00 TRA 0+0-01 060200020366 077400461451
16370 000000000004 063400416377 077400400000 056060200000 056400015235 007400400714 060200020366 077400461451
HTR 000004 SXA 610JT+ AXT 710-00 LQO * 5 +00 ENB 5001-0 TSX 010-7+ SLW 62023M AXT 7100+R
16400 002000040001 051000017372 063400116422 -073400100000 075400000000 002000016407 036100177606 20000116406
TRA 0+0-01 CLA * 50 1- SXA 6109UR PDX P10800 PXA 7+0000 TRA 0+01U7 ACL 3/0+66 TIX +01906
16410 -013000000000 060000021020 -062000021020 -013000000000 076700000022 036100021020 076000000001 002000016421
XCL JH0000 STZ 60028+ SLQ 0+028+ XCL JH0000 ALS 7X0008 ACL 3/028+ LBT 7 0001 TRA 0+01UA
16420 036100015244 -013000000000 077400100000 002100100001 050000400000 -032000015250 -005700100000 004300000000
ACL 3/01-M XCL JH0000 AXT 710800 TTR 0A0801 CLA 500-09 ANA L+01-0 RIL -00800 OAI 0L0000
16430 177777416431 063400416524 002000016440 -005400000400 -100000000000 -005400000040 -005700000004 -005500010000
TXI ***JUI SXA 610JTU TRA 0+01U- LFT -00040 SFR 000600 LFT -00004 RIL -00004
16440 007400116474 053500404547 063400421016 007400416504 -300000400713 005400000200 007400417576 056000004545 -077300000022
TSX 0109U1 LAC 5+0-0P SXA 610K8+ TXL Y00-7+ KFT 0+0020 TSX 010J+ LQO 5 00NM RQL P.0008
16450 002000004645 -050000015250 002000016456 050000017064 062200200003 -050000016407 005600000001 036100015251
TRA 0+0000 CAL N001-0 TRA 0+01U+ CLA 5001Y+ STQ 6R0+03 CAL N001U7 RNT 0+0001 ACL 3/01-R
16460 002000016462 -050000016461 077100000022 062500004545 050060200002 062100004551 007400116474 -053500404552
TRA 0+01U5 CAL N001U+ ANS 720008 STT 6E00NM CLA * 50 +02 STA 6A00NR TSX 0109U1 LDC N=0-MQ
16470 002000016442 007400116474 -053500404546 002000016442 005400416524 -063400404551 052000021016 002000016512
TRA 0+01UK TSX 0109U1 LDC N=0-MQ TRA 0+01UK LXA 510JTU SXD 010-NR ZET 5+028+ TRA 0+01V6
16500 -005400100000 002000016513 002000016504 177777416504 -050000477777 050000000042 010000016510 016700016503
LFT -00800 TRA 0+01V+ TRA 0+01V4 TXI ***JY4 CAL N00P+ LGR PV000K TZF 1001V8 TQP 1501V3
16510 063400416524 002000016513 053400421016 -063400404545 002000100001 050060200002 060000024552 012000016523
SXA 610JYU TRA 0+01V+ LXA 510K8+ SXD 010-NM TRA 0+0801 CLA * 50 +02 STZ 6000M TPL 0101VC
16520 -037000015253 010000016523 052200400001 005500002000 077400173417 063400116617 177777116527 063400116524
ANA L+01-S TZE 1001VC KEC 5R0-01 STR 0+00+0 AXT 710+1+ SXA 6109W+ TXI ***9VG SXA 6109VD
16530 -050000177777 062100004552 073700170000 062200004552 045400015373 045400015373 -032000015375 004300000000 -063400016710
CAL N00+00 STA 6A00N+ PAC 7+0800 STD 6R00NM R15 4N015, ANA L+015+ 0041 0L0000 002000016552 063400116617
16540 -005400600000 002000016545 -005400100000 002000016754 002000016754 002000016754 115 4-0151 RNT 0+0-00 TRA 0+01V+ SXA 6109W+
LFT -00000 TRA 0+01V+ LFT -00800 TRA 0+01X+ 002000016556 002000016651 050060200002 012000016562
16550 050060004552 062100004552 -052000004553 -056000400000 002000016556 002000016651 050060200002 012000016562
CLA * 50 0N- STA 6A00N- NZT N+00N5 LNT -00+00 TRA 0+01V+ TRA 0+01WR CLA * 50 +02 TPL 1+01V5
16560 052200400002 050060200002 073400100000 -032000015247 -010000015247 -073400100000 005400020000 063400104552
XEC 5R0-02 CLA * 50 +02 PAX 710800 ANA L+01-P TNZ J001VW 052200400001 005700010000 005400020000 063400104552
16570 -005400200000 052200400005 -010000016577 005500010000 052200400001 005700010000 005700010000 063400104552
LFT -00+00 XEC 5R0-05 TNZ J001V+ STR 0+0100 XEC 5R0-01 RIR 0+0100 TRA 0+01V+ SUR 4200N5
16600 010000016610 012000016611 062200016710 -005600200000 005500010000 040000004553 062200004553 075400000000
TZF 1001V8 TPL 1+01V9 STZ 6R01X8 LNT -00+00 SIR 0+0100 ADD 4000N5 STD 6R00N5 PKA 7+0000
16610 005400004000 005600200004 062200200002 062200004551 005600200000 002000016622 050000004552 077400171172
SIR 0+0-0 KNT 0+0+04 STQ * 6R +02 STU 6R00NR RNT 0+0+00 TRA 0+01WB CLA 5000M- AXT 710+9-
16620 062100010000 005500000010 -053400104553 075400100000 036160200002 005600200004 062160200002 062160400003
STA 6A0-00 SIR 0+0008 LXD N108N5 PXA 7+0800 ACL * 3/ +02 RNT 0+0+04 STA * 6A +02 STA * 6A -03
16630 075400130000 036100004552 062160400004 062100004551 -300000116651 005400104552 -300000116640 052200016642
PAX 7+0800 ACL 3/00N- STA * 6A -04 STA 6A00N- TXL Y009W+ R15 4N015, ANA L+015+ 0041 0L0000 002000016652 063400116617
16640 063400116647 -300000116643 -302663116717 005400200000 002000016651 002000016651 053400104553 -050000177764 060200177764
LXA 5109W+ SXL Y009W+ TXL YFT9X+ REF 0+0+00 TRA 0+01W+ LXD N108N5 CAL N00+00 SLW 620+0U
16650 200001116646 -052000004546 005700004000 005600004000 002000016651 002000016651 005400000010 005500000000 005400003000
TIX *015W+ STI Y009W+ RIR 0+00-0 KNT 0+00-0 TRA 0+01W+ REF 0+0008 SIR 0+0004 KFT 0+0300
16660 002000016672 -005600100000 002000016524 005400002000 077400417576 005400002000 007400416764 005400000000 007400416764
TRA 3+01W LNT -00800 TRA 0+01V0 REF 0+0020 TSX 010J+ RFT 0+000+ TSX 010JUR KFT 0+0010
16670 002000016671 002000004645 052200400001 005600010000 002000016661 005700010000 005700010000 002000016706
TRA 0+01U7 TRA 0+000N XEC 5R0-01 KNT 0+0100 TRA 0+01W+ KIR 0+0100 LFT -00+00 TRA 0+01V6
16700 005600200000 002000016704 052000004546 002000016711 050060400004 062100004552 050000016710 062200004553
KNT 0+0+00 TRA 0+01X4 ZET 5+00N0 STA 6A00N- CLA 5001XR STD 6R00N5
16710 -300000016552 -050000016035 002000016714 -050000016672 062500004545 005500000100 002000016663 053500116524
TXL Y001V+ CAL N001+ TRA 0+01X+ CAL N001W+ STT 6F00NM SIR 0+0010 TRA 0+01W+ LAC 5+09V0
16720 -050000020416 003400100000 -050000020417 060200020415 -050000016726 177777115453 -000004020412 -005400400000
CAL N0024+ KFT 0+000+ CAL N0024+ SLW 62024+ STA 6F00NM STT 6F00NM 005400000004 -005600400000 005100024004
16730 002000016577 053400116524 062200177777 -050000020000 002000016606 002000016606 005400000004 -005600400000 005100024004
TRA 0+01V+ LXA 5109V0 STD 6R0+00 SIR 0+0200 TRA 0+01W6 LNT -00+00 TRA 0+01V6
16740 060200004553 012000016611 -005600400000 002000016605 002000016605 005400116710 005500010000 050000004553
SUP 4200N5 TPL 1+01W+ LNT -00+00 TRA 0+01W6 LXD N109XN TXH H009W5 SIR 0+0100 CLA 5000N5
16750 062200016710 -005400100000 005500004000 002000016651 005000016524 062100021016 062100021016 050600400000
STD 5R01V8 KFT 0+0008 SIR 0+000+0 TRA 0+01WR CLA 5001V0 NZT N+028+ STA 6A028+ RNT 0+0-00 050600400000
16760 002000016525 -050000016525 073700100100 002000016525 005000016525 002000016525 073400100000 073400100000 002000016771
TRA 7+01V6 CAL N00+00 CAL 7+01+ TRA 0+01V6 CLA 500+01 ANA L+01-J PAX 710800 TXH H019X7
16770 002000016772 -005700000031 005400011600 002000017777 -005600000001 002000017777 -005600000001 00740017150
TRA 0+01X+ KFT 0+0000 TRA 0+01X+ LNT -00001 TRA 0+01X+ RIL -0000+ TSX 0109ZQ
17000 -005700000020 002000017001 063400417106 063400117107 005500000003 056400015235 -052060200004 002000017126
SXL -0000+ TRA 0+01J+ SXL 610JZ6 SXA 6109Z7 SFR 5001-0 NZT * 5+ +04 TRA 0+01Z7
17010 050000200004 062100000002 -050000200001 036100015241 062100000001 050060200004 062100020004 052060200004
CLA 500+04 STA 500+02 CAL 500+01 ACL 3/1-1 STA 6A0+01 CLA * 50 +04 STA 6A0+04 ZET * 5+ +04
17020 062260200004 05640001735 076500000001 062100000000 -053400116767 005400116767 062100004552 050000016710 062200004553
STI * 6R +04 LXR 5000+0 LXA 5109V0 LLA 3/0-00 TRA 0+01V6 TXI H019V6 SXL 0109XN STD 6R0+02
17030 062100115236 073700400000 062100115236 062100115236 062100115236 062100115236 062100115236 062100115236 062100115236
ACL 3/1-1 PAC 7+01+00 CLA 3/01-00 SXL 610JZ6 SXA 6109Z7 SFR 5001-0 NZT * 5+ +04 TRA 0+01Z7
17040 005600000002 002000017136 053400116524 062100115241 062100115241 062100115241 062100115241 062100115241 062100115241
KFT 0+0000+ TRA 0+01Z+ CLA 500+01 ANA L+01-J PAX 710-00 PAX 710-00 PAX 710-00 PAX 710-00 PAX 710-00
17050 005600100000 060000015244 -050000020000 062200017136 062200017136 062200017136 062200017136 062200017136 062200017136
KNT 3R0+00 ANS 4+01+ LFT -00200 TRA 0+01Z3 STD 5+01V0 CAL * 50 +02 SUR 4201-M STD * 6R +02

17060 -050000400000 040200015236 062100017063 053500100000 100000117065 300000116451 -005600000100 002000017102
CAL N00-00 SUB 4201-0 STA 6A01Y7 LAC 5+0800 TXI 8009YV TXH M009UR LNT -+001C TRA 0+122
062100017076 062100016406 050060200002 036100015244 007400116402 -062000021020 -050000000000 -032000021011
STA 6A01Y+ STA 6A01U6 CLA + 50 +02 ACL 3/01-M TSX 0109U2 SLO 0+028+ CAL M00000 ANA L+028+
17100 032200021020 -010000016453 050000017064 005600000001 002000016461 062200200003 077400461622 077400161223
ERA 38028+ TNZ J001U8 CLA 5001YU RNT 0+0001 TRA 0+01U7 STD 680+03 AXI 7100+8 AXI 7100+8
002100100001 007400117150 005500001000 -050000200003 002000017050 005400000003 002000017122 052300004546
TTR 0A0801 TSX 0109ZQ SIR 0+0080 CAL M00+03 TRA 0+01Y0 RFT 0+0003 TRA 0+01Z8 ZET 5+00M0
1712J 002000016713 002000017507 005700000003 007400417437 007400117150 002000017115 050000200003 -012000016433
TRA 0+01X+ TRA 0+01+7 RIR 0+0003 TSX 010J1+ TSX 0109ZQ TRA 0+01Z+ CLA 500+03 TMI J+01U+
17130 -005500000011 -077400400001 -052060200000 002000017124 007400400703 -000000200000 002000017004 060000016136
SIL -+0005 AXI P10-01 NZI + M+ +00 TRA 0+01Z0 TSX 010-13 -00+00 TRA 0+01Y4 SIZ 6001+0
17140 007400117204 056000200002 -077300000002 016200016433 007400404570 002000016433 007400120515 002000017304
TSX 0109+4 LQJ 5 0+02 ROL P+0002 TOP 1501U+ TSX 010-NY TRA 0+01U+ TSX 010+5+ TRA 0+01Y4
17150 063400117202 063400417157 053500416062 056400015235 050060400000 012000017162 053400117202 077400461627
SXA 6109+2 SXA 610J2+ LAC 5+0J 5 ENH 5001+ CLA + 50 -000 TPL 1+01Z5 LXA 5109+2 AXI 7100+6
17160 056400000735 0020000100001 -005600010000 177777117157 062100004550 050000200001 073400400000 -300000417172
ENH 5U007+ TRA 0+0801 LNT -+0100 TXI +0092 STA 6A00N0 CLA 500+01 PAX 710-00 TML Y00JZ+
17170 007400416263 002000017156 056060016062 050000004550 062160016062 -050000200001 040000015236 062100200001
ISX 010JST TRA 0+01Z+ LQJ + 5 1 5 CLA 5000M0 STA + 6A 1 5 CAL N00+01 ADD 4001+0 STA 6A0+01
17200 056400000735 007400117614 077400161625 177777117157 055500040000 005500000020 063400117230 063400417231
ENH 5U007+ TSX 0109+1 AXI 7100+6 TXI +0092 STA 6A00N0 SIR 0+000+ SXA 6109+H SXA 610J2+
17210 050060200002 012000017240 062100017304 -032000015253 010000017230 005600000020 002000017352 053500416062
CLA + 50 +02 TPL 1+01+ STA 6A01+4 ANA L+01-5 TZE 1001+H RNT 0+000+ TRA 0+01+ LAC 5+0J 5
17220 056000200002 007400117274 005600040000 007400117330 050000017304 062100200002 005600000040 002000017210
LQJ 5 0+02 TSX 0109+1 RNT 0+0400 TSX 0109+H CLA 5001+4 STA 6A0+02 RNT 0+000- TRA 0+01+8
17230 077400157717 077400462032 005600010000 005700020000 005700044000 005700000010 005700000010 002000100001
AXI 7100+0 AXI 7100+0 RNT 0+0100 RIR 0+04M0 RIR 0+04M0 RFT 0+0+ 007400417552 005500040000
17240 005600020000 002000017243 005600000020 002000017357 005600000400 002000 51 007400417552 005500040000
RNT 0+00+0 TRA 0+01+H RNT 0+000+ TRA 0+0040 TRA 0+01+R TSX 010J+ SIR 0+0400
17250 002000017254 056000200002 053500416062 007400117274 050000016062 062100200002 005600040000 007400117330
TRA 0+01+ LQJ 5 0+02 LAC 5+0J 5 TSX 0109+1 CLA 5001 5 STA 6A0+02 RNT 0+0400 TSX 0109+H
17260 002000017230 -100000000000 056400000735 005600020000 002000017224 002000017254 044100200001 005700077777
TRA 0+01+H TRA 000000 ENH 5U007+ RNT 0+0000 TRA 0+01+0 TRA 0+01+0 LUI 4J0+01 RIR 0+07+0
17270 056400015235 -050000200001 036100015241 062100200001 056400015235 -050000200001 040200015242 062100200001
ENH 5U01+ CAL N00+01 ACL 3/01-J STA 6A0+01 E+H 5U01+ CAL N00+01 SUB 4201-K STA 6A0+01
17300 005600000020 002000017304 052000016136 002000017325 0+3100077502 005600000100 002000017312 052000004546
RNT 0+000+ TRA 0+01+4 ZET 5+01+0 TRA 0+01+ KCA 1107+2 RNT 0+0010 TRA 0+01+ ZET 5+00M0
17310 002000017325 002000017315 056000200003 016200017315 -012000017261 063400117324 005600000040 007400120304
TRA 0+01+E TRA 0+01+ LQJ 5 +03 TOP 1501+ M1 J+01+7 SXA 6109+0 RNT 0+000- TSX 010+34
17320 050000200001 073400100000 -300000117324 007400116307 077400157745 -052000000742 056400000735 002000100001
CLA 500+01 PAX 710800 TXI Y009+0 TSX 01097+ AXI 710+0N NZI M+007K ENH 5U007+ TRA 0+0801
17330 050000200003 -0120000100001 -050000200001 -032000015241 010000017343 -005400000020 002000017343 -005500000020
CLA 500+03 TMI J+0801 CAL N00+01 ANA L+01-J TZE 1001+L LFT -+000+ TRA 0+01+L S1L -+000+
17340 -005600000010 0020000100001 -005700000030 063400117346 007400117150 005500001000 077400160521 002000017340
LNT -+000E TRA 0+0801 RIR -+000H SXA 6109+0 TSX 0109ZQ SIR 0+0080 AXI 710+5A TRA 0+01+
17350 005700000020 002000017206 050060200002 007400117605 050000017304 062100200002 007000017210 005600000400
RIR 0+000+ TRA 0+01+6 CLA + 50 +02 TSX 0109+5 CLA 5001+4 STA 6A0+02 TRA 0+01+8 RNT 0+0040
17360 002000017433 007400417552 002000017434 063400117430 063400117431 050000200002 036100015236 062100017372
TRA 0+01+ TSX 010J+ TRA 0+01+1 SXA 610J1H SXA 6109+1 CAL N00+02 ACL 3/01+ STA 6A01+
17370 050060200002 -012000017373 062100077605 050060017372 062100017427 062100016406 040200017372 056000000200
CLA + 50 +02 TMI J+01+ STA 6A07+5 CLA + 50 1+ STA 6A011G STA 6A01U6 SUB 4201+ LNT -+0020
17400 040200015236 076700000022 062260017372 062260017372 062260017372 062260017372 062260017372 062260017372
SUB 4201- ALS 7X0008 STD + 68 1+ ANA L+01-P LFT -+0020 SUB 4201-M TNZ J0011D LQJ 5 0+02
17410 053500416062 -050000400001 077100000004 062260017372 056400015235 007400120303 050000200003 012000017421
LAC 5+0J 5 CAL N00-01 ARS 720004 STD + 68 1+ ENH 5U01+ TSX 010+33 CLA 500+03 TPL 1+01+1A
17420 007400116307 056400000735 053400117431 0020000100001 -005600000100 002000017430 007400116401 062000077606
TSX 010977 ENH 5U007+ LXA 510911 TRA 0+0801 LNT -+0010 TRA 0+01+H TSX 0109U1 SLQ 0107+6
17430 077400460166 077400160345 0020000400001 007400117610 050000016062 062100200002 002000017230 063400417546
AXI 71001+H AXI 710+3M TRA 0+0-01 TSX 0109+H CLA 5001 5 STA 6A0+02 TRA 0+01+H SXA 610J+0
17440 005500100000 007400117452 0020000400001 063400417546 050000200003 012000017452 063400117547 007400416262
SIR 0+0800 TSX 01091+ TRA 0+0-01 SXA 610J+0 CLA 500+03 TPL 1+01+ SXA 6109+P TSX 010J55
17450 002000017117 002000017453 063400117547 053500416062 050000400001 056060400000 016200017513 -032000015243
TRA 0+01Z+ TRA 0+01+1 SXA 6109+0 LAC 5+0J 5 CLA 500-01 LQJ + 5 -00 TOP 1501+ ANA L+01-L
17460 -010000017465 053500416062 056060400000 016200017513 002000017117 062100017470 053500117470 050000100000
TNZ J0011V LAC 5+0J 5 LQJ + 5 -00 TOP 1501+ TRA 0+01Z+ STA 6A011Y LAC 5+091Y CLA 500800
17470 073700477602 050000400001 010000017502 01200001750+ 007400400703 -000000100000 053500416062 050060400000
PAC 7+0P+2 CLA 500-01 TZE 1001+2 TPL 1+01+5 TSX 010-13 -00900 LAC 5+0J 5 CLA + 50 -00
17500 012000017513 002000017477 050000100001 050000100001 010000020454 050000100001 002000017457 007400400706
TPL 1+01+ TRA 0+01+ CLA 500801 ANA L+01+1 TZE 1002+ CLA 500801 TRA 0+01+ TSX 010-76
17510 000000000001 000003020442 007400400713 005400100000 002000017546 056400015235 005600000020 002000017527
HTR 000001 HTR 00324K TSX 010-7+ RFT 0+0800 TRA 0+01+0 ENH 5U01+ RNT 0+0020 TRA 0+01+6
17520 050000200003 -012000017525 007400416263 002000017117 053500416062 -050000015253 063400021015 050060400000
CLA 500+03 TMI J+01+E TSX 010JST TRA 0+01Z+ LAC 5+0J 5 CAL N001-8 STP + 6H 28+ CLA + 50 -00
17530 062100017470 050000400000 062100200002 036100015236 062100017542 036100015236 062160200002 -050000017470
STA 6A011Y CLA 500-00 STA 6A0+02 ACL 3/01+ STA 6A01+K CLA 3/01+ STA + 6A +02 CAL N0011Y
17540 062100400000 056400000735 050000077605 -005400000020 040200015244 062260200002 077400461605 077400161220
STA 6A0-00 ENH 5U007+ CLA 5007+5 LFT -+0020 SUB 4201-M STD + 68 +02 AXI 7100+5 AXI 7100+5
17550 005700100000 0020000100001 050000200002 -005400003000 002000017564 012000017564 005400000020 002000017571
RIR 0+0800 TRA 0+0801 CLA 500+02 LFT -+00H0 TRA 0+01+U TPL 1+01+U RFT 0+0020 TRA 0+01+7
17560 073400100000 005500000020 -063400121015 002000017572 073700100000 050060200002 062100100001 050000200002
PAX 710800 SIR 0+0020 SKD 0108+ TRA 0+01+ PAC 7+0800 CLA + 50 +02 STA 6A0801 CLA 500+02
17570 002000017556 062160021015 062100021015 -050000015374 063060021015 002000400001 050000200002 062160021015
TRA 0+01+ STA + 6A 28+ STA 6A028+ CAL N001+1 STP + 6H 28+ TRA 0+0-03 CLA 500+02 STA + 6A 28+
17600 -053400121015 075400100000 062100200002 005700000020 0020000400001 -034000015407 002000017704 020076077604
LXD N108+ PAX 7+0800 STA 6A3+02 RIR 0+0020 TRA 0+0-01 LAS L+01U7 TRA 0+01+ MPY + 20+74
17610 050000200003 -012000017713 007400417363 056000200002 013100000000 062100017607 056000015246 -076300000022
CLA 500+03 TMI J+01+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+
17620 060260017607 -077400400001 056400015235 050060200000 010000017646 062100017636 -050000004556 077400400000
SLW + 62 1+7 AXI P10-01 ENH 5U01+ CLA + 50 +00 TZE 1001+ TSX 010-73 -00+00 TRA 0+01+H CLA 5007+U PCC P+0-00
17630 032260200000 -032000015243 010000017636 007400400703 010000017646 062100017636 -050000004556 077400400000
ERA + 3B +00 ANA L+01-L TZE 1001+ TSX 010-73 -00+00 TRA 0+01+H CLA 5007+U PCC P+0-00
17640 050000017607 062100400000 076700000022 062260017636 056400000735 0020000100001 -005600010004 002000017733
CLA 5001+7 STA 6A0-00 ALS 7X0008 STD + 6R 1+ ENH 5U007+ TRA 0+0801 LNT -+0104 TRA 0+01+
17650 077400400000 050060200000 -076500000022 016200017663 -076300000022 062100017470 063400117662 007400420767
AXI 710-00 CLA + 50 +00 LGR PV0008 TOP 1501+ LGL PT000H STA 6A011Y SXA 6109+5 TSX 010K7K
17660 007400120460 007400420767 077400100000 060400017703 077400400000 -050000004556 062160200000 044160200000
TSX 010+4 AXI 710800 STI 6A01+3 AXI 710-00 CAL N000N+ STA + 6A +00 LDI + 4J +00
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L+7 -+0200 TRA 0+01+3 CAL N001+7 AXI P10-01 07104000000 050000200003 -012000017713 063400117711 056400015235
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TSX 010-73 HTR 00C+00 TRA 0+0801 002000017612 007400417363 063400117711 050000200002 073700100000 053500416062
17710 007400116306 077400100000 002000017612 TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+ TSX 010J+

17720 -0 0000400001 077100000004 062200100001 550000200002 -100000000000 -350000200003 036100015244 062200200003
CAL N00-01 ARS 720004 STD 680801 CLA 500+02 STR 000000 CAL N00+03 ACL 3/01-M STD 680+03
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LIA 5109+9 TRA 0+0801 STR 000000 LFT -+00MC TRA 0+01-- LQD 5 01+7 LAC 5+0J 5 TRA 0+01+Y
17740 063400117742 007400120460 077400100000 002000017621 050000200001 -037000017475 076700000000 036100015244
SKA 6109+K TSX 0100+4 AXI 710800 TRA 0+01+A CLA 500+01 AMA L+01+ ALS TX0003 ACL 3/01-M
17750 062200017753 063400417754 007400420326 000002200000 077400461742 002000400001 063400420326 007400117204
STD 6801+5 SKA 610J+ TSX 010K3F HTR 002+00 AXI 7100+K TRA 0+0-01 SKA 610K0+ TSX 0109+4
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ENB 5001-- AKC P10-01 CLA + 50 +00 TZE 100209 STA 6A01+M CLA 5001+ NZT + N+ 000 TRA 0+0204
17770 056060017766 062160017766 013100000000 -052060200004 002000020035 056000200004 062100200004 073700100000
LQD + 5 1+6 STA + 6A 1+M XCA 110000 NZT + N+ +04 TRA 0+020+ LQD 5 0+04 STA 6A0+04 PDC P+0800
20000 013100000000 062100100000 050060+30000 062260200004 007400400703 -000000200000 -077400400001 052060200000
XCA 110000 STA 6A0800 CLA + 50 800 STD + 6H +04 TSX 010-73 -00+00 AKC P10-01 ZET + 5+ +00
20010 002000020007 -063400016767 060000021020 050060200004 010000020040 012090020021 -053400116767 100001120020
TRA 0+0207 SKD 0101XX SFZ 60028+ CLA + 50 +04 TZE 10020- TPL 1+020A 013100000000 073700100000 013100000000
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SKD 0109XX LQD 5 0+04 STA 6A0+04 ANA L+01-- TZE 10020+ TPL 1+020A 013100000000 073700100000 013100000000
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CLA 500802 TTD 61028+ LAC 5+0J 5 TSX 0109+Y TRA 0+020+ STA 6A0+04 STU + 6B +04 TRA 0+0204
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LXD 4109XX TXL Y000+ TSX 010K3F HTR 005+00 NZT N+028+ TXJ + +00J CLA 500+05 TMI J+020+
20050 050000021020 -077400400002 060160200000 060000021020 005500010000 002000020045 077400462056 002000400001
CLA 50028+ AKC P10-02 STU + 61 +00 SFZ 60028+ SIL -+0100 TRA 0+020M AXI 7100+ TRA 0+0-01
20060 06340042007C 007400117350 -077400400001 -052060200000 002000020070 007400400703 -000000200000 002000020062
SKA 610K0Y TSX 0109+0 AKC P10-01 NZT + N+ +00 TRA 0+020Y TSX 010-73 -00+00 TRA 0+0205
20070 077400462032 -052060200004 002000400001 007400120460 002000020065 000000000000 063400420275 063400120276
AXI 7100+ NZT + N+ +04 TRA 0+0-01 TSX 010+4 TRA 0+020Y HTR 000000 SKA 610K2+ SKA 610+2+
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PAC 7+0-00 XCA 110000 CLA 500-00 PAC 7+0+00 TQP 15022A CLA 50020+ TNZ J00231 LFT -+0-00
20110 002000020116 -050000020275 040200015236 062100020275 050000400001 012000020275 050000200001 -012000020644
TRA 0+021+ CAL N0022+ SUB 4201-- STA 6A022+ CLA 500-01 TPL 1+022+ CLA 500+01 TMI J+026+
20120 050060000725 0100+0020124 036100200005 062002000005 007400120312 -053500100736 016200020154 050000200004
CLA + 50 07E TZE 100210 ACL 3/0+05 SLW 620+05 TSX 010+3+ LDC N+087+ TOP 15021+ CLA 500+04
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PDC P+0-00 CAL N00-01 ARS 720004 STD 680+ TSX 010+33 LNT -+0+00 TRA 0+022+ AKC P10-01
20140 050060200000 010000020143 062100200004 -050000015400 060000200000 063400220147 053400104556 174720120150
CLA + 50 +00 TZE 10021L STA 6A0+04 CAL N001+500 052060200000 STZ + 60 +00 SKD 01081P LXA 5108M+ TXI +P+10
20150 300000120152 032000000740 032000200001 002000020275 -050000000736 -050000000736 062100177777 -004600000000
TXH H001+ ANS 3+007- ANS 3+0+01 TRA 0+022+ CAL N0007+ STA 6A0+04 PJA -00000 STP 6H0+0+
20160 050060200004 010000020213 -073700100000 013100000000 062100100000 056000015246 -076300000022 062160100003
CLA + 50 +04 TZE 10022+ PDC P+0800 XCA 110000 STD 6A0800 LQD 5 01-0 LGL PT000B STA + 6A 70
20170 062260200004 -005600200000 002000020275 063400420706 053400120075 320000120417 056000000737 -06000000036
STD + 6B +04 LNT -+0+00 TRA 0+022+ SKA 610K26 LXA 510+0+ PDC P+0-00 TXH +004+ LQD 5 007+ STQ + 00 07+
20200 -052000400001 002000020210 007400120312 050000200004 -0737004+0000 007400117266 077400477446 002000020200
NZT N+0-01 TRA 0+0228 TSX 010+3+ PDC P+0-00 TSX 0109+M AXI 710910 TRA 0+0-01
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AXI P10-01 CAL N001+ TRA 0+021M XCA 110000 STD 6A0+04 LQD 5 01-0 LGL PT000B STA + 6A +04
20220 002000020170 044100200001 050000020075 076000000001 -010000020304 -010000020542 -005400+00000 002000020674
TRA 0+021Y LDI 4J0+01 CLA 50020+ LBT 7 0001 TNZ J00234 TNZ J0025K LFT -+0-00 TRA 0+0261
20230 050000400001 036100015236 062160000727 062100020254 012000020251 052060000725 002000020251 062100020247
CLA 500-01 ACL 3/01-- STA + 6A 07G STA 6A022+ TPL 1+022R ZET + 5+ 07E TRA 0+022R STA 6A022P
20240 013100000000 050000200003 036100015244 -0056000000200 002000020250 002000020250 077100000022 062160074465
XCA 110000 CLA 500+03 ACL 3/01-M STD 680+03 LNT -+0020 TRA 0+0220 ARS 72000B STA + 6A 7M+
20250 013100000000 036100015236 052000020075 002000020336 062100074465 050000200001 -032000015402 -010000020261
XCA 110000 ACL 3/01-- ZET 5+020+ TRA 0+023+ STA 6A07M+ CLA 500+01 ANA L+01+2 TNZ J0022/ TNZ J0022/ TNZ J0000M
20260 060600000135 077100000007 -050100400000 077100000022 077100000022 062100020273 050000020300 056000400001 016200020271
STZ 60001+ ARS 720007 ORA N10-00 ARS 72000B STA 6A022, CLA 500730 LQD 5 0-01 TQP 150222 002000400001
20270 076700000017 062200020273 05206000134 076600001232 052260000727 077400476631 077400100001 002000400001
ALS 7X000+ STD 6A022, ZET + 5+ 011 WRS 7M00+ KEC + 5B 07G AXI 710PMI AXI 710801 TRA 0+0-01
20300 076200766000 076000000001 002000020422 013100000000 056000400000 062100400000 013100000000 008060400000
RDS 750+ 0 LBT 7 0001 TRA 0+0248 XCA 110000 LQD 5 0-00 STA 6A0-00 STA + 6A -00
20310 062160400000 002000100001 050060400001 062100400001 062100400001 -052060400001 002000020321 062260400001
STA + 6A -00 TRA 0+0801 LQD 5 0-01 CLA + 50 -01 TZA 6A0-01 NZT + N+ -01 TRA 0+023A STZ + 6B -01
20320 002000100001 060000400001 002000100001 077400457736 002000000705 000000000000 063400420323 050000400001
TRA 0+0801 STZ 600-01 TRA 0+0801 AXI 710N+ TZA 0+0075 HTR 000000 SKA 610K3C CLA 500-01
20330 -073400400000 050000200005 -012000020335 -032000015252 010000020323 002000020352 007400420326 000005200000
PDX P10-00 CLA 500+05 TMI J+023+ ANA L+01-- TZE 10023C TRA 0+023- TSX 010K3F HTR 005+00
20340 050200015244 040100200003 062200200003 -077400400002 050060200000 -032000015243 032200015243 -010000004645
CLS 5201-M ADM 410+03 STD 680+03 AXI P10-02 CLA + 50 +0G ANA L+01-L ERA 3801-L TNZ J0000M
20350 062200200003 002000016472 -005600040000 002000004645 007400416201 005500002000 -005400003000 002000020363
STD 580+03 TRA 0+01U+ LNT -+0400 TRA 0+000M TSX 010J51 SIR 0+00+0 LFT -+00H0 TRA 0+0237
20360 007400417756 053500104626 002000100001 007400420060 002000020361 -206445316360 -206021106060 -074646436025
TSX 010J+ LAC 5+080F TRA 0+0801 TSX 010K0 234644456360 256723252524 252460406046 -072545604546 -236047466262
20370 -115146516063 -226760216360 -204647254560 234644456360 256723252524 252460406046 -072545604546 -236047466262
RROR T TNX SX AT TNX OPEN TIX COUNT TIX EXCEED TIX ED -0 PEN NO TNX T PDSS
20400 312242356060 -204546636021 -252131432122 -032560264651 -203145316331 214331712163 314645606060 -202163632123
TXH IBLF TNX NOT A TNX VAILAB LER FOR TNX INITI TIX ALI2AT TXH IGN TNX ATTAC
20410 306025515146 -116021636060 -203143432527 21436063121 056244316360 -205454545454 -206651316325 -205125212460
TXH H ERRO R AT TNX ILLEG -206060406060 -205454545454 -205125234651 246260606060 -206060606060
20420 -205454545454 TNX REEL TNX REEL TNX REEL TNX REEL TNX REEL TNX REEL TNX REEL TNX REEL
20430 -112524644524 214523706030 316263465170 -205454545454 -205125635170 -226060606060 -205454545454 -204725514433
REDUNC TIX ANCY H TXH ISTORE TNX ***** TNX RETRY TNX S TNX ***** TNX PERM.
20440 -205125635170 -202551216225 314343252721 -036026314325 -206462256060 -112544466525 -206051252543 -200000000160
TXH RETRY TNX ERASE TXH ILLEGA TXH ILLEGA TXH ILLEGA TXH ILLEGA TXH ILLEGA TXH ILLEGA TXH ILLEGA
20450 -204466445563 -202243214542 000006020421 000006020421 007400420767 007400120460 007400420767 002000017453
TXH MOUNT TNX BLANK HTR 003240 HTR 006744 TSX 010K7X TSX 010K4+ TSX 010K7X TRA 0+0118
20460 063400420511 063400120512 007400420326 000007200000 076100000000 005400000400 -100000000000 07400120515
SKA 610K59 SKA 61095+ TSX 010K3F HTR 007+00 HTR 7/0000 LFT -+0040 002000020511 050000200004 062100020514
20470 -005400000400 -100000000000 002000020473 -005400000400 -052060200004 -052060200004 -052060200004 062100020514
LFT -+0040 STR 000000 TRA 0+024+ NZT + N+ +04 TRA 0+02+9 CLA 500+04 STA 6A025+
20500 -050000020514 -077400400001 052060200000 002000020502 -062060200000 050000016207 062100200004 007400400703
CAL N0025+ AKC P10-01 ZET + 5+ +00 TSX 0+0252 MP+ 0+0000 063400420620 063400120621 007400420326
20510 000000020000 077400400000 077400100000 002000100001 020076000000 063400420620 063400120621 007400420326
HTR 000+00 AXI 710-00 AXI 71080C TPA 0+1801 -060000000000 063400420620 063400120621 007400420326
20520 000004200000 007400416220 007400416326 050000200000 073700100000 062200020526 100000120527 -050000200007
HTR 004+00 TSX 010J5+ TSX 010JTF CLA 500+00 PAC 7+0800 STD 6H025F TXI 800+5G CLA N00+07
20530 036100021013 007400420627 036100021014 060202000000 -050000200000 063000020573 050000004542 -073700400000
ACL 3/028+ TSX 010K6G ACL 3/028+ SLW 620+07 STI 6401+3 CLA + 50 ON+ TXL Y00K55 TRA 0+025N
20540 062100020552 036100015236 062100020547 060400017703 050060004556 002000020545 002000020545 007400400000
STA 6A025- ACL 3/01-- STA 6A025P OTA 6401+3 CLA + 50 ON+ TXL Y00K55 TRA 0+025N
20550 -005600040000 002000020545 034000400000 002000020545 002000020545 002000020545 002000020545 007400400000
LNT -+0400 TRA 0+025N CAS 3-0-00 CLA 5000M+ AXI 710-00 STA + 6A +00 CAL N00+07
20560 -060060020552 002000020545 044100017703 050000004556 077400400000 062160200000 -005400000000 007400400712
STQ + 00 25- TRA 0+025N LDI 4J01+3 CLA 5000M+ AXI 710-00 STA + 6A +00 CAL N00+07
20570 050000020573 -012000020577 007400400704 000000200000 -050000020007 007400400712 007400400712 007400400712
CLA 50025+ TMI J+025+ TSX 010-74 HTR 000+00 CAL N00+07 TSX 010JTF TSX 010K6C TXH H00+6R TSX 010K-74
20600 -050000200007 033100021013 007400420627 036100021014 077400400712 007400400712 007400400712 007400400712
CAL N00+07 ACL 3/028+ TSX 010K6G ACL 3/028+ TSX 010JTF TSX 010K6C TXH H00+6R TSX 010K-74

20610 007400417744 007400420326 000003200000 005500010000 054000200072 -077300000001 016200020620 007400404567
TSX 010000 TSX 010000 HTR 003000 SIL --0100 LDU 5 0+02 RQL P,0001 TQP 15026+ TSX 010-MX
20620 077400400000 077400100000 002000100001 056000200000 -077300000022 -060000200000 002000400001 -032000020641
AXT 710-00 AXT 710000 TRA 0+0801 LDU 5 0+00 RQL P,0000 STQ 000+00 TRA 0+0-01 ANA L+026J
20630 036100020642 032000020643 -040000020643 076700000001 -040000020643 077100000003 056000015254 -060000020643
ACL 3/026K ANS 3+026L SBM M0026L ALS 740003 SBM M0026L ARS 770003 LDU 5 01-0 STQ 00026L
20640 002000400001 171717373717 -206060606060 -206060606060 050000400000 -032000021011 -010000020753 060400020673
TRA 0+0-01 TXI ***** TCUG ***** TNX 044100400001 -005600300000 002000020647 -005700200000 050060000745 STI 64026+
20650 -005600100000 002000020706 044100400001 005600300000 -005600300000 TRA 0+026X AIL --0+00 STI 60 07F STI 640-01
LNT --0800 TRA 0+0276 060400200001 007+00120737 053400120276 053400420275 000+0000003 -005600100000
20660 044100200001 -005100004000 060400200001 007+00120737 053400120276 053400420275 000+0000003 -005600100000
LDI 4J0+01 ILL -R00-0 STI 640+01 TSX 01007+ LXA 51002+ LXA 510K2+ TRA 0+0-03 LNT --0800
20670 002000020705 -005100300000 002000020656 000000000000 044100400001 002000020730 044100020673 -005400200000 -005100300000
TRA 0+0275 ILL -R0000 TRA 0+026+ HTR 000000 LDI 4J0-01 LFT --0000 TRA 0+0271 ILL -R0000
20700 060400400001 -005600100000 060060000076 044100200001 002000020730 044100020673 -005400200000 -005100300000
STI 640-01 LNT --0800 STI 60 07F LDI 4J0+01 TRA 0+027H LDI 4J026, LFT --0+00 TRA 0+027C
20710 044100200001 053500100736 050000177777 -032000020735 -005600004000 010000020723 -032000017204 -010000020723
LDI 4J0+01 LAC 5+087+ CLA 500+00 ANA L+027+ LNT --0+0-0 TZF 10027C ANA L+01+4 Tnz JU027C
20720 -005100004000 060400200001 007+00120737 044100020673 053400120276 050000020075 075000020075 -00510000020731
ILL -R00-0 STI 640+01 TSX 01007+ LDI 4J026, LXA 51002+ CLA 50020+ LMT 7 0001 TRA 0+0271
20730 002000020324 -010000020120 -050000020736 032000400001 002000020120 000000050000 -077777777777 063400120751
TRA 0+023C Tnz JU021+ CAL M0027+ ANS 3+0-01 TRA 0+021+ HTR 000500 P=0000 SKA 61007R
20740 056000400000 076700000022 062200020744 053500104556 100200120745 305000120751 044100000740 -00510000020751
CLA 500-00 ALS 740008 062200020744 053500104556 100200120745 305000120751 044100000740 -00510000020751
20750 060400000740 077400100000 002000100001 063400420765 -050000400001 077300400000 010000000000 010000000000
STI 64007- AXT 710800 TRA 0+0801 SXA 610K4V CAL M00-01 PAC 7+0-00 CLA 500-04 TPL 1+027V
20760 050000400006 012000020765 053400400736 063400400736 -005500200000 077400400000 002000020120 013100000000
CLA 500-06 TPL 1+027V LXD 410-7+ SXA 610-7+ SIL --0+00 AXT 710-00 TRA 0+021+ XCA 110000
20770 056400015235 -004600000000 062200200001 053400117470 053400204556 063400104556 063400217470 053500204556
EMP 5001-+ PIA -00000 STD 680+01 LXA 51091V LXA 510+0+ SXA 6108N+ SXA 610A1V LAC 5+0+0+
21000 050000200001 -032000015247 -005700077777 004300023523 36011/421036 056400000735 013100000000 002000400001
CLA 500+01 ANA L+01-P RIL --07+00 OAI 010000 TZX 1+0K86 ENE 5+007+ XCA 110000 TRA 0+0-01
21010 077777777777 000100000000 -377777000000 000000000100 -200000000000 077604077604 000000000000 000000000000
7+0000 010000 TXL --0000 HTR 000010 TNX 0000 SDN 7+47+4 HTR 000000
21020 000000000000 -100000000000 100000021031 077400277472 077600177472 077400474513 044100021030 002000400001
HTR 000000 STR 000000 TXI 800281 AXT 71001+ AXT 710+1+ AXT 71001+ LDI 4J028H TRA 0+0-01
21030 000000100000 060400021030 063400402652 063400427051 063400421025 063400121074 063400210283 076000000016
HTR 000800 STI 64028H SKA 610-F- SKA 610K8E SKA 610+8D SKA 61080C LMTM 7 000+
21040 050060400003 060100024565 040200024632 060100023523 050060400004 060100021557 050060400005 002000400001
CLA 50 -03 STD 6102NV 050060400007 060100021561 050060400007 060100021557 050060400007 060100021561
21050 050060400006 060100021561 050060400007 060100021557 050060400007 060100021561 050060400007 060100021561
CLA 50 -06 STD 6102+7 STD 6102+7 STD 6102+7 STD 6102+7 STD 6102+7 STD 6102+7 STD 6102+7 STD 6102+7
21060 027051000152 000000024576 000000021571 000000021574 000000021575 000000021576 000000021577 000000021577
2YR01- HTR 0002N+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+
21070 000000021601 000000021602 000000021603 000000021604 000000021605 000000021606 000000021607 000000021607
HTR 0002+1 HTR 0002+2 HTR 0002+3 HTR 0002+4 HTR 0002+5 HTR 0002+6 HTR 0002+7 HTR 0002+8
21100 000000021572 000000024600 007400425545 100003021110 077051000154 003000021557 000000021560 000000021561
HTR 0002+ HTR 000200 TSX 010K+M TXI 803298 TXI 803298 TXI 803298 TXI 803298 TXI 803298 TXI 803298 TXI 803298 TXI 803298
21110 007400404465 000000000366 007400404467 021234003060 021510021522 300004274064 044100024576 077400425712
TSX 010-MX TXI 0000H TXI 010-MX TXI 010-MX TXI 010-MX TXI 010-MX TXI 010-MX TXI 010-MX
21120 100003021125 027051000164 000000030047 000000030051 000000030055 000000030059 000000030063 000000030067
TXI 80329E TXI 80329E TXI 80329E TXI 80329E TXI 80329E TXI 80329E TXI 80329E TXI 80329E
21130 000000030050 000000030051 000000030052 000000030053 000000030054 000000030055 000000030056 000000030057
HTR 000300 HTR 00030R HTR 00030R HTR 00030R HTR 00030R HTR 00030R HTR 00030R HTR 00030R
21140 000000030061 000000030062 000000030063 000000030064 000000030065 000000030066 000000030067 000000030068
HTR 00030+ HTR 00030S HTR 00030U HTR 00030V HTR 00030W HTR 00030X HTR 00030Y HTR 00030Z
21150 077100000002 060100024262 053400230047 060000030047 063400230047 063400230047 063400230047 063400230047
ANS 720008 STD 6102K5 LXA 510C0P SZA 510C0P SZA 510C0P SZA 510C0P SZA 510C0P SZA 510C0P
21160 002000021500 002000021500 076000000144 050000024222 -032000021236 010000021174 -30000021174 077400404467
TRA 0+02+0 TRA 0+02+0 SLN 7 001M LXA 5002K8 ANA L+02+0 TZE 100291 TXL Y00891 TXL 010-MX
21170 021234003060 021510021522 300000200000 200001221167 050000024574 010000021212 053400224600 077400100004
2+010H 2+02+8 TZX M00+00 TIX +0189X CLA 5002+1 TZE 1002+1 TZE 1002+1 TZE 1002+1 TZE 1002+1 TZE 1002+1 TZE 1002+1
21200 050000124475 060100130063 200001121200 050000021200 040000021236 062100021200 050000021201 040000021237
CLA 5001M+ STD 610+0T TIX +01+00 ADD 4002+ STA 6A02+0 CLA 5002+1 ADD 4002+ STA 6A02+0
21210 062100021201 200001221177 044100024576 005400000010 002000021240 005600000004 002000021222 050000024600
STA 6A02+1 TIX +0189+ LDI 4J02N+ RFT 0+0000 TRA 0+02+0 RNT 0+0004 TRA 0+02+0 RNT 0+0004 TRA 0+02+0
21220 060100021571 002000021240 050000021600 060100021554 050000021601 060100021555 005400000020 002000021240
STD 6102+2 STD 6102+2 CLA 5002+0 STD 6102+2 CLA 5002+1 STD 6102+2 CLA 5002+1 STD 6102+2 CLA 5002+1
21230 050000024602 060100021604 002000021240 000000021233 000000021234 000000021235 000000021236 000000021237
CLA 500202 STD 6102+4 TKA 0+02+0 HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+
21240 044100024576 005400000004 002000021262 005400000010 002000021274 005400000020 002000021335 005400000040
LDI 4J02N+ RFT 0+0004 TRA 0+02+0 RFT 0+0004 TRA 0+02+0 RFT 0+0004 TRA 0+02+0 RFT 0+0004 TRA 0+02+0
21250 002000021357 007400414014 100001021255 027051003322 000000021624 007400413472 100000021260 027051000274
TRA 0+02+0 TSX 0100+1 TXI 8012+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+ HTR 0002+
21260 042000000001 002000021260 -076000000142 002000021270 007400421446 053400421571 063400421617 002000021663
HPR 4+0001 TRA 0+02+0 SLT P 001K TRA 0+02+0 TSX 010K+0 LXA 510K+2 SXA 610K+2 TRA 0+02+0
21270 053400421617 -200001421264 063400421617 002000021663 002000021663 002000021663 002000021663 002000021663
LXA 510K+0 TNX 01K+0 SXA 610K+0 TRA 0+02+0 SLT P 001K TRA 0+02+0 TSX 010K+0 LXA 510K+2 SXA 610K+2 TRA 0+02+0
21300 063400121567 053400121566 -200001121310 063400121566 007400421424 050000024346 007400421446 002000021663
SXA 610+0+ LXA 510+0+ TNX 01+00 SXA 610+0+ TSX 010K+0 CLA 5002L0 TSX 010K+0 TRA 0+02+0
21310 050000021577 060100021567 050000021576 060100021566 053400121564 200001121331 053400121565 -200001121326
CLA 5002+0 STD 6102+0 CLA 5002+0 STD 6102+0 LXA 510+0+ TIX +01+0 LXA 510+0+ TIX +01+0 LXA 510+0+ TIX +01+0
21320 063400121565 007400421424 050000021574 050000021574 060100021564 002000021306 050000021575 060100021565
SXA 610+0+ TSX 010K+0 CLA 5002+1 STD 6102+0 TRA 0+02+0 CLA 5002+0 STD 6102+0 TRA 0+02+0 CLA 5002+0 STD 6102+0
21330 053400121574 063400121564 002000021306 053400121577 002000021300 053400421621 -200001421342 063400421621
LXA 510+0+ SXA 610+0+ TKA 0+02+0 TRA 0+02+0 LXA 510K+0 TNX 01K+0 SXA 610K+0 TRA 0+02+0
21340 007400421446 002000021663 053400221554 063400221621 053400421622 200001421351 053400221555 063400221622
TSX 010K+0 TRA 0+02+0 LXA 510K+0 SXA 610K+0 TIX +01K+0 LXA 5108+0 SXA 6108+0 TRA 0+02+0
21350 002000021355 063400421627 007400421424 007400421424 044100024576 007400421446 002000021663 050000021620
TRA 0+02+0 SXA 610K+0 TSX 010K+0 LDI 4J02N+ STD 6102+0 TSX 010K+0 TRA 0+02+0 CLA 5002+0
21360 040000024346 060100021620 -076000000147 002000021367 002000021367 040000024346 060100021623 053400421621
ADD 4002L0 STD 6102+0 SLT P 001K TRA 0+02+0 CLA 5002+0 ADD 4002L0 STD 6102+0 CLA 5002+0 STD 6102+0
21370 -200001421374 063400421621 007400421446 002000021663 002000021663 053400221554 063400221621 050000021623
TZX 01K+1 SXA 610K+0 TSX 010K+0 TRA 0+02+0 TSX 010K+0 TRA 0+02+0 TSX 010K+0 TRA 0+02+0 TSX 010K+0 TRA 0+02+0
21400 022100021620 076000000012 002000021406 002000021406 013100000000 002000021604 -012000021414 053400421555
DVP 2A02+0 DCT 7 0000 KCA 110000 SUP 4202+4 TMI J+02+1 LXA 510K+0 SXA 610K+0 TRA 0+02+0
21410 007400421446 060000021523 060000021620 002000021620 002000021620 053400421622 -200001421406 063400421622
TSX 010K+0 STD 6002+0 STD 6002+0 TRA 0+02+0 LXA 510K+0 TNX 01K+0 SXA 610K+0 TRA 0+02+0
21420 050000021554 044100024576 007400421446 002000021663 002000021663 053400421443 052200400001 076000000144
CLA 5002+0 LDI 4J02N+ TSX 010K+0 TRA 0+02+0 SXA 610K+0 XFC 580-01 SLT P 001M TRA 0+02+0

21430 076000000144 040000000000 073400200000 007400014747 100000000000 027051000051 000000000144 050000000047
SLN 7 001M ADU 4 40 -01 PAX 7 0000 TXR 010000 TXI 001200 MTR 000200 CLA 50030P
21440 040200024346 060100000000 2000001221-33 027400045474 002000000000 000000000000 043400047147 007400043877
SUB 420210 STU 61030P TXR 010000 TXI 001200 MTR 000200 CLA 50030P TXR 010000 TXI 001200
21450 100002721454 027051015530 000000014154 000000000000 000000000000 000000000000 000000000000 000000000000
TXI 002200 TXR 010000 MTR 000200 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21460 050000021567 007400040664 007400041347 100000021445 027051015530 007400040664 007400040664 007400040664
CLA 500200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21470 300000027048 076100000000 076100000000 076100000000 076100000000 076100000000 076100000000 076100000000
TXR 000200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21500 -050000021551 060200021470 050000021550 060100021471 060100021472 050000021553 060100021473 060100021474
CAL 000200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21510 007400041404 100001001514 027051003512 000000021643 007400041404 100001001514 027051003512 000000021643
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21520 002000021517 000000021521 007400040664 000000000000 007400040664 000000000000 007400040664 000000000000
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21530 007400041347 100001001514 027051003512 000000021643 007400041347 100001001514 027051003512 000000021643
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21540 074000413472 100001001514 027051003512 000000021643 074000413472 100001001514 027051003512 000000021643
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21550 076100000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21560 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21570 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21600 -000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21610 010273056773 073600452370 236211734601 027305677310 304031452431 236211734601 027305677310 304031452431
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21620 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21630 -216161346060 340407306071 213162258067 312745607231 236211734601 027305677310 304031452431 236211734601
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21640 303163606263 215163616 51 -213460606060 340407306071 213162258067 312745607231 236211734601 027305677310 304031452431 236211734601
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21650 346060606060 215163616 51 -213460606060 340407306071 213162258067 312745607231 236211734601 027305677310 304031452431 236211734601
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21660 -074325632533 -206101300134 000000021662 077400100000 043600121711 050000024346 060100024346 044100024346
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21670 0055000000100 0057000000200 060400024376 060000130055 060000130055 060000130055 060000130055 060000130055
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21700 060100022336 060000024360 077400216460 060000024356 060000024356 060000024356 060000024356 060000024356
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21710 050000024365 040000024366 060100024365 050000024365 050000024365 050000024365 050000024365 050000024365
CLA 500210 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21720 073400040664 063400424572 060000024357 300000021767 044100024376 050000024346 060100024346 044100024346
PAX 710000 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21730 073700100000 056060230303 014000021733 060000024454 020000023030 075000000010 014000023030 014000023030
PAC 700000 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21740 077100000000 060000024454 040000024357 014000023030 060100024376 050000024346 060100024346 044100024346
ARS 720000 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21750 077400177766 056000024357 014000021753 060000024357 060000024357 060000024357 060000024357 060000024357
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21760 060100430306 044100024376 050000000000 060000021767 060000021767 060000021767 060000021767 060000021767
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
21770 -3000000422032 050000130054 077400100000 060000024357 060000024357 060000024357 060000024357 060000024357
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22000 -062500024454 020000023030 076000000010 014000023030 014000023030 014000023030 014000023030 014000023030
STL 060200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22010 014000023601 060100024357 177777722013 200001421776 053400421747 053400421747 053400421747 053400421747
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22020 -062500024454 020000130056 076000000000 076000000000 076000000000 076000000000 076000000000 076000000000
STL 060200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22030 014000023601 060100430305 053400421747 050000130065 040000024351 062100027061 062100027061 062100027061
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22040 050000430306 014000027062 040000430305 076000000010 076000000010 076000000010 076000000010 076000000010
CLA 500136 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22050 060100430314 014000027052 077100000000 060000024357 040000024356 040000024356 040000024356 040000024356
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22060 002000022100 050000430315 040260022050 056000024355 022160022061 076000000010 076000000010 076000000010
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22070 076000000000 014000027072 077100000000 060000024357 060000024357 060000024357 060000024357 060000024357
SSP 7 0003 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22100 050000023030 012000021706 053400424360 300000422113 044100024376 050000024346 060100024346 044100024346
CLA 500033 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22110 060400024576 077400400031 002000022116 076000000010 076000000010 076000000010 076000000010 076000000010
STI 640200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22120 056000130065 077300000022 060000130065 002000021702 050000024351 040000024351 062100027061 062100027061
LQD 5 0000 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22130 040200030052 012000022133 076000000000 060100130055 060100024376 050000024346 060100024346 044100024346
SUB 42030 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22140 000000024570 000000024633 000000024570 0074000413672 100002022150 0074000413672 100002022150 0074000413672
TXR 000200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22150 050000024364 007400040664 050000024570 007400040664 007400040664 007400040664 007400040664 007400040664
CLA 500210 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22160 050000024634 002000022050 063400422277 053500403321 177777422165 040200030051 014000023030 014000023030
CLA 500201 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22170 -074645254563 -206346604321 -112725601373 261133043660 340204306031 252143206265 214360316760 214360316760
PONENT TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22200 272560137326 113304346060 000000000000 005700000002 076000000010 060400024576 056000130064 056000130064
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22210 060100024375 050000130064 040200024356 040000024375 002000022217 002000022217 002000022217 002000022217
STU 610210 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22220 060100022554 005400000000 002000022332 005400000000 002000022266 005400000000 002000022266 005400000000
STU 610200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22230 013100000000 -075400000000 022100024365 013100000000 056000022555 056000022555 056000022555 056000022555
XCA 110000 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22240 060100022552 040000130063 060100130063 005500000000 060400027546 050000024356 060100024356 060100024356
STU 610200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200
22250 062000022557 060100027556 050000024356 043000022547 002000022557 002000022557 002000022557 002000022557
TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200 TXR 010000 TXI 001200

22200	056000022555	-012000022264	016200022265	002000022354	016200022354	002000022267	060100022556	050000022556
	LQD 5 02E*	TMJ J+02DU	TQP 1502DE	TRA 0+02C*	TRA 1502C*	TRA 0+02B*	STN 6102F*	CLA 5002F*
22270	0560000022555	-0120000022274	016200022275	002000022324	016200022324	050000022554	010000022301	050000022552
	LQD 5 02E*	TMJ J+02B1	TQP 1502B*	TRA 0+02C0	TRA 1502C0	CLA 5002E*	TZE 1002C1	CLA 5002E*
22300	002000022316	-075400000000	013100000000	050000022553	022100022555	076000000012	002000022533	-060000022554
	TRA 0+02C*	PXD P+0000	XCA 110000	CLA 5002E*	DVP 2A02E*	DCT 7 0C0*	TRA 0+02E*	STQ 0002E*
22310	050000022552	022100022554	076000000012	002000022342	013100000000	042000022552	060100022552	005500000002
	CLA 5002E*	DVP 2A02E*	DCT 7 000*	TRA 0+02C*	XCA 110000	SUB 4202E*	STO 6102E*	SIR 0+0002
22320	060400022546	040000130063	014000022512	002000022551	050000022552	076000000003	060100022544	005500000004
	STI 6402E0	ADD 400+01	TOV 1-02E*	TRA 0+02E*	CLA 5002E*	SSP 7 0003	STU 6102E*	SIR 0+0004
22330	060400022546	060100022551	030000022551	077100000001	056000022556	076300000000	076100000000	060100022551
	STI 6402E0	STO 6102E*	CLA 5002E*	ARS 720001	LQD 5 02E*	LLS 770000	NOP 770000	STO 6102E*
22340	040000130063	002000022557	076500000000	005400000002	002000022350	050000022435	076300000000	002000022316
	ADD 400+01	TRA 0+02E*	LRS 770000	RFT 0+0002	TRA 0+02C*	CLA 5002E*	LLS 770000	TRA 0+02C*
22350	050000022552	040000130063	014000022512	002000022557	050000022557	050000000010	050000021540	060100022327
	CLA 5002E*	ADD 400+01	TOV 1-02E*	TRA 0+02E*	XCA 5002E*	RFT 0+0008	CLA 5002E*	STO 6102B*
22360	060100022336	005400000010	002000022337	005500000010	060400022546	050000022552	076000000002	060100022552
	STO 6102C*	RFT 0+0008	TRA 0+02C*	SIR 0+0008	STI 6402E0	CLA 5002E*	CHS 7 0002	STO 6102E*
22370	076700000001	040000130063	002000022557	005700000010	060400022546	050000022552	076000000002	040000130063
	ALS 7X0001	ADD 400+01	TRA 0+02F*	RIR 0+0008	STI 6402F0	CLA 5002E*	CHS 7 0002	ADD 400+01
22400	060100130033	050000022552	076000000000	077100000001	060100022552	040000130063	002000022557	044100022546
	STO 610+01	CLA 5002E*	CHS 7 0002	AMS 720061	STU 6102E*	ADD 400+01	TRA 0+02E*	LOI 4J02E0
22410	060100022556	005400000004	002000022332	005400000002	002000022425	005600000001	002000022435	040200022547
	STU 6102E*	RFT 0+0004	TRA 0+02C*	RFT 0+0002	TRA 0+02DE	KMT 0+0001	TRA 0+02D*	SUB 4202E*
22420	056000022555	-012000022424	016200022425	002000022354	016200022354	050000022552	077100000001	060100022552
	LQD 5 02E*	TMJ J+02DU	TQP 1502DE	TRA 0+02C*	TQP 1502C*	CLA 5002E*	ARS 720001	STO 6102E*
22430	042000130063	076000000002	005500000002	060400022546	002000022557	060100022547	050000130063	-010000022545
	SUR 420+01	CHS 7 0002	SIR 0+0002	STI 6402E0	TRA 0+02E*	STO 6102E*	CLA 500+01	TNZ J002D*
22440	050000022436	060100022550	050000022436	013100000000	-075400000000	072100022550	076300000003	013100000000
	CLA 5002L*	STU 6102E*	CLA 5002E*	XCA 110000	PAD P+000*	WVP 2A02E0	LLS 770003	XCA 110000
22450	056000022547	076300000000	076000000000	060100022552	002000022557	050000022435	056000022547	-012000022462
	LQD 5 02E*	LLS 770000	CHS 7 0002					

23100	-060000024403	0774000400174	077400277566	060000024401	050060237067	040200024403	013100000000	014000023120
	STO 0007M3	AXT 710-11	AXT 710G+0	STZ 6002M1	CLA = 50 CVX	SUB 4202M3	XCA 110000	TGV 1-021+
23120	020000030050	-062500024454	014000023601	013100000000	014000023125	-062500024454	020000024400	076300000001
	MPY 200300	STL DE02M0	TOV 1-02+1	XCA 110000	TOV 1-021E	STL DE02M0	MPY 2002M0	LLS 710001
23130	014000023601	014000023132	056600024353	-062500024454	040060024353	014000023601	012000023141	016200023142
	TOV 1-02+1	TOV 1-021+	LQO = 5 2L5	STL DE02M0	ADD = 000 30L5	TOV 1-02+1	TPL 1-021J	TQP 15021K
23140	002000023143	016200023143	-075400000000	-032000024350	034000024350	050000030053	076100000000	076300000000
	TRA 0+021L	TQP 15021L	PKD P=0000	ANA L+02LQ	CAS 3-0305	CLA 500305	MOP 770000	LLS 770000
23150	013100000000	-062060024353	013100000000	076000000003	044100024576	050400001000	007400723376	014000023160
	XCA 110000	SLQ = 0+ 2L5	XCA 110000	SSP 7 0003	L01 4J02M+	RF1 0+0080	TSX 010+0	TOV 1-021
23160	077100000005	-062500024454	040000024401	014000023577	060100024401	17777723166	050060024353	044100024576
	AK5 710005	STJ 062M0	ADD 4002M1	TOV 1-02+0	STU 6102M1	TXI **B1M	CLA = 50 2L5	L01 4J02M+
23170	005+00002000	072000023173	-017000023175	200001423114	002000023204	-062500023375	002000023234	-200001423210
	RF1 0+00+0	TRA 0+021L	TM1 J+021+	TXJ +01K1+	TRA 0+02+4	STL DE02+0	TRA L-02+1	TXN 01K+8
23200	044100024576	005500002000	060400024576	002000023112	005700002000	060400024576	-062500023375	002000023234
	L01 4J02M+	SIR 0+00+0	STI 6402M+	TRA 0+021+	HTR 0+00+0	STI 6402M+	STL DE02+0	TRA 0+02+1
23210	053400024371	-02000 423460	053400 24363	177776123214	05220+023042	052700023041	014000023217	-062500024454
	LXA 510K1Z	TXN 01K1	LXA 510K1L	TXI ****+	XEC 5802HK	XEC 5802HK	TOV 1-02+0	STL DE02M0
23220	020060024353	014000023601	060100024400	053400124363	050000140054	073701000000	077400400174	-300000423460
	MPY = 20 2L5	TOV 1-02+1	STO 6102M0	LXA 510K1L	CLA 5+0+0+	PAC 7+0800	AXT 710-11	TXL Y00K1
23230	063400024311	063400024402	052200023112	002000023072	-063400223302	-063400223365	053400224371	177770223240
	SXA 61081+	SXA 610K1M	XEC 58021+	TRA 0+02M+	SXU 010B+2	XQ 010B+L	LXA 510B1Z	TXI **B+8
23240	050060024353	040200024401	-034000024362	002000023246	002000023367	002000023367	060100024373	076500000000
	CLA = 50 2L5	SUB 4202M1	LAS L-02L5	TRA +02+0	TRA 0+02+X	TRA 0+02+X	STO 6102L+	LKS 770000
23250	052200023112	060000024401	060000023457	050060024353	-032000024350	034000030053	016200023301	016200023301
	XEC 58021+	STZ 6002M1	STZ 60021+	CLA = 50 2L5	ANA L+02LQ	CAS 3-0305	TQP 1502+1	TQP 1502+1
23260	-010000232663	016200023263	002000023301	060100024134	050000023457	040000024632	060100023457	044100024576
	TN2 J002+1	TQP 1502+1	TRA 0+02+1	STO 6102J1	CLA 50021+	ADD 40020+	STO 61021+	L01 4J02M+
23270	005400001000	007400723376	050000024134	014000023274	07710000+ 05	-062500024454	0401+0024401	014000023377
	RF1 0+0080	TSX 010+0	CLA 5002J1	TOV 1-02+1	ARS 720005	STL DE02M0	ADD 4002M1	TOV 1-02+0
23300	060100024401	177777223302	377566223253	050000024401	060100023525	060000024401	052200023112	050060024353
	STO 6							

23740	007400406664	050000024570	007400406664	050000024571	007400406664	007400413472	100000023750	027051004624
	TSX 010-WL	CLA 5002HW	TSX 010-WU	CLA 5002HW	TSX 010-WU	TSX 010J1	TXI 8002Q	2YR000
23750	0074004013672	1000002023755	027051002614	000000014154	000000024255	007400413472	100000023760	027051007615
	TSX 010J+	TXI 8022**	2YR0F*	HTR 0001J+	HTR 000K+	TSX 010J+	TXI 8002*	2YR0F*
23760	050000023524	077400400005	073700200000	050000200001	00610424463	050000200011	060100424470	050060200000
	CLA 5002+E	AXI 710-05	PAC 700+00	CLA 500+01	STU 610KMT	CLA 500+09	STU 610KMY	CLA + 50 +00
23770	-017000023774	050000200000	2000001423760	020000024000	-200001424000	060000424463	060000424470	020000023774
	TXI J+02+E	CLA 500+00	TXI +01K+5	TRA 0+02-0	TXI 01K-0	STZ 600KMT	STZ 600KMY	TRA +02+E
24000	007400403631	100003074006	027051004670	000000024663	0000000274632	000000024663	007400403631	100003024014
	TSX 010-W	TXI 8032-6	2YR00Y	HTR 0002MT	HTR 0002U+	HTR 0002MT	TSX 010-W	TXI 8032-*
24010	027051004670	000000024664	0000000246632	000000024664	007400403631	100003024022	027051004670	000000024665
	2YR00Y	HTR 0002HW	HTR 0002U+	HTR 0002MU	TSX 010-W	TXI 8032-0	2YR00Y	HTR 0002MW
24020	0000000246632	000000024665	007400403631	100003024030	027051004670	000000024666	0000000246632	000000024666
	HTR 0002H	HTR 0002HW	TSX J10-W	TXI 8032-H	2YR00Y	HTR 0002MU	HTR 0002U+	HTR 0002MW
24030	007400403631	100003074036	027051004670	000000024667	000000024668	007400413672	100002024043	
	TSX 010-W	TXI 8032-*	2YR00Y	HTR 0002MW	HTR 0002U+	TSX 010J+	TXI 8032-L	
24040	027051004670	0000J001454	000000024317	050000024656	-073400400000	063400426631	-032000024604	007400406666
	2YR00Y	HTR 0001J+	HTR 0002L+	CLA 5002M*	PDX P10-00	SXA 610K01	ANA L+0204	TSX 010-WU
24050	050000024631	007400406664	050000024663	007400406664	050000024657	-J73400400000	063400426631	-032000024604
	CLA 500201	TSX 010-WU	CLA 5002MT	TSX 010-WU	CLA 5002M*	PDX P10-00	SXA 610K01	ANA L+0204
24060	007400406664	050000024631	007400406664	050000024663	007400406664	050000024660	-073400400000	063400426631
	TSX 010-WL	CLA 500201	TSX 010-WU	CLA 5002MU	TSX 010-WU	CLA 5002M	PDX P10-00	SXA 610K01
2407	-037000024604	007400406664	050000024631	007400406664	050000024663	007400406664	050000024661	-073400400000
	ANA L+04-04	TSX 010-WU	CLA 5002L*	TSX 010-WU	CLA 5002MT	TSX 010-WU	CLA 5002M*	PDX P10-00
24100	063400426631	-032000024604	007400406664	050000024663	037400406664	050000024666	007400406664	050000024662
	SXA 610K01	ANA L+0204	TSX 010-WU	CLA 500201	TSX 010-WU	CLA 5002MT	TSX 010-WU	CLA 5002M*
24110	-073400400000	063400426631	-032000024604	007400406664	050000024663	007400406664	050000024667	007400406664
	PDX P10-00	SXA 610K01	ANA L+0204	TSX 010-WU	CLA 500201	TSX 010-WU	CLA 5002MT	TSX 010-WU
24120	007400413472	100000024123	027051004670	050000200000	-012000024127	050000200000	002000023761	077400272124
	TSX 010J1	TXI 8002JG	2YR00Y	CLA + 50 +00	TXI J+02JG	CLA 500+00	TRA +02+E	AXT J10G+E
24130	077400177766	077400405146	002000040001	000000000000	012715000000	-340130013460	-346003043060	254563255160
	AXI 710-W+6	TXI J10N0K	TRA 0+0-01	HTR 000030	JG+0000	TXI (1+1)	TXI J 34H	TXI ENTER
241								

24670	000000000002C HTR 00000+	000000000010 HTR 00000H	000000000040 HTR 00000-	000000000040 HTR 000000	000000000000 HTR 000000	000000000000 HTR 000000	-340303106051	252124232360
24700	234645635146 TIX CONTRC	-036023215124 L CARD	-204546604751 TNX MO FR	256225456333 TIX ESENT.	-210130013460 TNX /1H1	-344601027303 TXL 1012,3	303145477331	017301677321
24710	047302310373 4,213,	016773023101 1K,211	-331174016773 TXL ,911X,	310334732606 TXH 131,F6	330634606060 TXH .61	-342103733101 TXL 1A3,11	-331131037326 TXH ,913,F	063306732104 6,6,A4
24720	-330331037302 TXL ,313,2	310134606060 TXH 111	-340200300151 TIX 120H1R	T51 EADY C	-064563514643 ONTLX	-202321512360 TNX CARD	-206060606060 TNX	-206060606034 TNX
24730	-340426113305 TXL 14F9,5	340606060600 TXH 1	-340473000154 TXL 147H1-	-145454543144 *****1	-075146472551 PROPER	-203145476463 TNX INPUT	-2044464624573 TNX MODE,	-202346515125 TNX CORRE
24740	236360214524 TIX CI AND	-205125626321 TNX AESTA	-116333346060 KT,1	060000024576 STZ 6002N*	007400413672 TSX 010J=	10000,024751 TXI 8022PR	025254000002 2=-002	000000014154 HTR 0001J=
24750	000000024722 HTR 0002PB	007400413472 TSX 010J=	007400413472 TSX 010J=	100002024757 TXI 8022P*	025254000003 2=-003	000000014153 HTR 0001J=	000000024715 HTR 0002P*	007400406664 TSX 010-WU
24760	060100224650 STO 6102QU	007400406664 TSX 010-WU	060100024651 STO 6102OR	007400406664 TSX 010-WU	060100021571 STO 6102+2	007400406664 TSX 010-WU	060100021574 STO 6102+1	007400406664 TSX 010-WU
24770	060100021575 STO 6102**	007400406664 TSX 010-WU	060100021576 STO 6102**	007400406664 TSX 010-WU	060100021577 STO 6102**	007400406664 TSX 010-WU	060100021600 STO 6102+0	007400406664 TSX 010-WU
25000	060100021601 STO 4102+1	007400406664 TSX 010-WU	060100021602 STO 6102+2	007400406664 TSX 010-WU	060100021603 STO 6102+3	007400406664 TSX 010-WU	060100021604 STO 6102+4	007400406664 TSX 010-WU
25010	060100024652 STO 6102-0	007400406664 TSX 010-WU	060100024631 STO 6102L/	007400406664 TSX 010-WU	060100024600 STO 6102QU	007400406664 TSX 010-WU	060100021573 STO 6102+2	007400406664 TSX 010-WU
25020	060100021572 STO 6102**	007400406664 TSX 010-WU	060100024653 STO 6102OR	007400413520 TSX 010J=	050000024650 CLA 5002QU	040200024654 SUB 4202+0	010000025030 TZE 1002QU	002000025242 TRA 0102-K
25030	050000024653 CLA 5002OR	040200024663 SUB 4202OT	010000025036 TZE 1002QU	050000024576 CLA 5002N*	040000024664 ADD 4002QU	060100024576 STO 6102N*	007400403710 TSX 010=-8	100002025043 TXI 8022QU
25040	025254000032 2=-000+	000000021604 HTR 0002+4	000000024663 HTR 0002OT	050000024651 CLA 5002OR	040200024665 SUB 4202W*	010000025047 TZE 1002CP	012000025053 TPL 1+02QU	050000024651 CLA 5002OR
25050	040200024662 SUB 4202OS	010000025054 TZE 1002QU	012000025054 TPL 1+02QU	002000025230 TKA 0+02-H	050000024651 CLA 5002QU	040200024666 SUB 4202W*	010000025074 TZE 1002QU	-017000025070 TMI J+02QU
25060	050000024651 CLA 5002H*	040200024667 SUB 4202QU	010000025064 TZE 1002QU	012000025100 TPL 1+02QU	050000024576 CLA 5002N*	040000024670 ADD 4002QU	060100024574 STO 6102N*	002000025103 TRA 0102R3
25070	050000024576 CLA 5002N*	040000024665 ADD 4002QU	060100024576 STO 6102N*	002000025103 TRA 0+02R3	050000024576 CLA 5002N*	040000024671 ADD 4002QU	060100024576 STO 6102N*	002000025103 TRA 0102R3
25100	050000024576 CLA 5002N*	040000024667 ADD 4002QU	060100024576 STO 6102N*	050000024655 CLA 5002QU	040200024652 SUB 4202-0	-010000025111 TNZ J002R1	050000024576 CLA 5002N*	040000024673 ADD 4002QU
25110	060100024576 STO 6102N*	060000024574 STZ 6002N*	050000024600 CLA 5002QU	040200024663 SUB 4202OT	-0			

25520	0000000014154	0000000025410	0500000025377	007400406664	0500000021557	007400406664	0500000025400	007400406664
	HTR 00013*	HTR 00024*	CLA 50025*	TSX 010-WU	CLA 50025*	TSX 010-WU	CLA 50025*	TSX 010-WU
25530	0500000021560	007400406664	0500000025401	007400406664	0500000021561	007400406664	007400403472	0500000025403
	CLA 50025*	TSX 010-WU	CLA 50025*	TSX 010-WU	CLA 50025*	TSX 010-WU	TSX 010J1*	CLA 50025*
25540	007400405642	1000000025543	025543000010	000000006676	-234723429160	1000000025552	077400456676	044100025551
	TSX 010-WU	TXI 80024*	24L00R	HTR 0005W*	TXI TPEX1*	TXI 80024*	AXT 7104W*	LDI 4J024*
25550	002600400001	000000100000	063400025551	063400402652	063400425543	063400425546	050000400003	062100025467
	TXA 040-01	HTR 000800	STI 64024*	SXA 610-F*	SXA 610K4*	SXA 610K4*	CLA 500-03	STA 6A024*
25560	062100025550	062100025524	050000400004	062100025472	062100025507	062100025530	050000400005	062100025475
	STA 6A024*	STA 6A024*	CLA 500-04	STA 6A024*	STA 6A024*	STA 6A024*	CLA 500-05	STA 6A024*
25570	062100025511	062100025534	002000025453	002000025712	002000027331	000000007640	25452452563	000000000001
	STA 6A024*	STA 6A024*	TRA 04024*	TRA 04024*	HTR 00004*	HTR 00004*	TXI ENDET*	HTR 000001
25600	000000000000	000000000000	000000000000	000000000010	000000000010	000000000000	-340405306054	-145460452563
	HTR 000000	HTR 000000	HTR 000001	HTR 000030	HTR 000030	HTR 000000	TXI 145H*	00 NEI*
25610	-264651426025	-27232525462	-262673171260	-06264052563	-264651426026	-234651212725	33606030360	050000025602
	TXI WORK*	TXI XCEEDS*	TXI SIZ*	TXI UNF*	TXI WORK*	TXI TURAGE*	TXI 145H*	CLA 50024*
25620	060100025574	0500000025603	060100025575	007400415111	100002025640	025710000003	000000024566	000000025606
	STO 61024*	CLA 50024*	STI 61024*	TSX 010J4*	TXI 80224*	248903	HTR 00024*	HTR 00024*
25630	007400413770	100001072634	025710000004	000000025604	053501425575	177777425636	-063400425643	053500125574
	TSX 010J4*	TXI 80124*	248003	HTR 00024*	LAC 5404*	TXI 00000*	SXD 310K4*	LAC 5404*
25640	007400411722	060100130045	177777125643	370137125640	053500125574	007400411766	050000130046	040200025576
	TSX 010J4*	STI 61040*	TXI 00000*	LAC 5404*	TXI 00000*	TSX 010J4*	CLA 500-00	SUB 42024*
25650	-010000225652	002000025676	050000025574	060100025603	060100025574	050000025575	040000025603	060100025575
	TXI 00024*	TRA 04024*	CLA 50024*	ADL 40024*	STI 61024*	CLA 50024*	ADD 40024*	STO 61024*
25660	050000025575	040200025457	010000025605	-012007025665	002000025666	002000025623	007400414014	100001025672
	CLA 50024*	SUB 42024*	TXI 10024*	TXI 10024*	TRA 04024*	TRA 04024*	TSX 010J4*	TXI 80124*
25670	025710000024	009000025606	007400413742	050000075600	000000025675	002000025617	007400415111	100007025703
	24800C	HTR 00024*	TSX 010J4*	CLA 50024*	HTR 00024*	TRA 04024*	TSX 010J4*	TXI 80224*
25700	025710000026	000000002566	0000000025604	007400414563	100001025707	025710000026	000000025604	002000025713
	24800C	HTR 00024*	HTR 00024*	TSX 010J4*	TXI 80124*	24800C	HTR 00024*	TRA 04024*
25710	000000056661	-112445255301	100000025720	077400177472	077400456661	044100025717	002000040001	000000000010
	HTR 0005W*	RDKE11	TXI 80024*	AXT 7104*	AXT 7104W*	LDI 4J024*	TRA 040-01	HTR 000008

26360 050000026135 040200026146 010000026364 002000026404 007400413672 100002026371 026437000052 000000014154
CLA 5002/* SUB 4202/0 TZE 1002TU TKA 0+02U TSX 010J** TXI 8022T 20+00- HTR 0001J#
000000026166 007400414775 100002026375 026437000053 000000026120 000000026146 007400413472 -077400200001
HTR 0002/* TSX 010JP* TXI 8022T 20+00- HTR 0002/* TSX 010J** AXC P10+01
26400 060000226117 17777226407 37777226405 060000026135 17777226405 371227126320 050000026134 040000026147
STZ 6008/* TXI ***BU2 TXH ***BUC STZ 6002/* TXI ***U5 TXH ***G#T+ CLA 5002/* ADD 4002/P
060100026126 053500126126 060000021570 050000130302 040200026144 -010000026417 007000026420 002000026240
STO 6102/* LAC 5+00/*F STZ 6002/*Y CLA 500+32 SUB 4202/*M TNZ J002U* TRA 0+02U* TRA 0+02S-
26420 050000221572 040200026143 -010000026424 060000021573 050000221572 040200026150 -010000026431 050000026151
CLA 5002/* SUB 4202/*L TNZ J002U* STZ 6002/* CLA 5002/* SUB 4202/* TNZ J002U* CLA 5002/*
26430 060100021572 002000026442 062100026435 007400405446 100001026437 026437000101 000000026152 000000054242
STO 6102/* TRA 0+02U* STA 5A02U* TSX 010+0U 41 8012U* 20+011 HTR 0005KX
26440 274751630160 100000026450 077400200000 077400177766 077400454242 044100026447 002000400001 000000000010
TXI GPKT1 TXI 80G2U0 AXI 710+00 AXI 710+KX LDI 4J02U* TRA 2+0-01 HTR 000008
26450 06040026447 063400402652 063400+26437 06340C426444 063400126443 06340G226442 050000400003 062100026204
STI 6402UP SXA 610-F- SXA 610KUM SXA 610KUL SXA 610HUK CLA 500-03 STA 6A02S4
26460 062100026420 062100026424 062100026430 050000400004 062100026213 052100026223 062100026223 050000400005
STA 6A02U* STA 6A02UD STA 6A02U* CLA 500-04 STA 6A02S4 062100026241 073400100000 100012126505
26470 062100026217 062100026221 062100026222 062100026412 050000400006 062100026241 073400100000 100012126505
STA 6A02S4 STA 6A02SA STA 6A02S4 STA 6A02U* CLA 500-06 STA 6A02S4 PAX 710000 TXI 80+0V0
26500 063400126200 100000126502 063400126333 177764126504 063400126413 050000400007 062100026235 002000026202
SXA 610+SY TXI 801+V2 SXA 610+T. TXI **U#V4 SXA 610+U* CLA 500-07 STA 6A02S4 TRA 0+02S2
WORDS 26510 TO 27037 ALL CONTAIN -100000000000 STR 000000
27040 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 000046000001 -250660606060
STR 000000 STR 000000 STR 000000 STR 000000 STR 000000 STR 000000 HTR 0000C1 TXN V6
27050 000000000002 177771344400 177771344400 177771344400 177771344400 177771344400 177771344400 177771344400 -000000000000
HTR 000002 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 -000000
WORDS 27060 TO 27077 ALL CONTAIN -000000000000 -000000
27100 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 -000000000000 177771344400
-000000 -000000 -000000 -000000 -000000 -000000 TXI **Z1M0
27110 177771344400 177771344400 177771344400 177771344400 177771344400 177771344400 -100000000000 -100000000000
TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 TXI **Z1M0 STR 000000 STR 000000 STR 000000
WORDS 27120 TO 27257 ALL CONTAIN -100000000000 STR 000000
27240 000000000002 000000000002 000000000001 000000000001 000000000001 000000000001 000000000001 000000000001
HTR 000002 HTR 000002 HTR 000001 HTR 000001 HTR 000001 HTR 000001 HTR 000001 HTR 000001
WORDS 27270 TO 27447 ALL CONTAIN 000000000001 HTR 000001
27450 000000000001 000000000001 000000000001 000000000001 000000000001 000000000001 -100000000000 -100000000000
HTR 000001 HTR 000001 HTR 000001 HTR 000001 HTR 000001 HTR 000001 STR 000000 STR 000000
WORDS 27460 TO 27777 ALL CONTAIN -100000000000 STR 000000
30000 100000030906 077400100000 077400400000 044100030305 002000400001 000000000000 060400030005 063400402652
TXI 800306 AXI 710800 AXI 710-00 LDI 4J0305 TRA 0+0-01 HTR 000000 STZ 640305 SXA 610-F-
30010 063400430016 063400430002 063400130001 002000030001 000000000000 000000000000 000000000000 246444447001
SXA 610L0* STA 610L02 SXA 610+01 TKA 0+0301 HTR 000000 HTR 000000 HTR 000000 TXI DUMMY1
WORDS 30020 TO 30037 ALL CONTAIN -100000000000 STR 000000
30040 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 000256000014
STR 000000 STR 000000 STR 000000 STR 000000 STR 000000 STR 000000 STR 000000 02+00*
30050 23146314540C 014631462764 000631463146 260000000000 000000000000 000000000000 001463146314 004000000000 346314621400
TXI C1T+0 1010G 06101C TXI +00000 HTR 000000 01T1T* TLQ 0-0000 TXH 1T1T*
30060 -346314631400 346314631400 -346314631400 -000611621767 024000000000 000011000012 000000000000 000050753412
TXI 1T1T* TXH 1T1T* TXL 1T1T* TXL 1T1T* F0H 2-0000 HTR 00900* HTR 000008 HTR 000008 HTR 000008
30070 010000000000 346314631400 346314631400 377574733000 -377574733000 -000210246534 004000000000 000012000010
TZE 100000 TXH 1T1T* TXH 1T1T* TXH 1T1T* TXL **LMO TXL **LMO TXL **LMO TXL **LMO TXL **LMO TXL **LMO TXL **LMO
30100 003000000011 003000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
HTR 000005 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
WORDS 30110 TO 30277 ALL CONTAIN 000000000000 HTR 000000
30300 000000000000 000000000000 000000000000 -000000030357 000001000001 -000316122351 000016415470 020000000000
HTR 000000 HTR 000000 HTR 000000 -0033* HTR 001001 HTR -3+CR HTR 00+JY MPV 200000
30310 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MPV 200000 MPV 200000 MPV 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
30320 102224130563 100224130767 077350131117 077350131247 077350131377 100105131453 077350131733 100074132007
TXI 880+51 TXI 82U+7X TXI 7+Q+9* TXI 7+Q+P TXI 7+Q+P TXI 815+* TXI 7+Q+P TXI 7+Q+P
30330 -100074132062 -100074132413 -100074132417 -077114132473 -100074132473 -100074132477 -100074132477 -100074132477
STR 001+T STR 001+CL STR 001+D* PLT+D, STR 001+EP STR 001+EP STR 001+EP STR 001+EP STR 001+EP
30340 076430127054 076430127055 102322127057 076430127062 076430127064 02322127065 102322127066 -10075127067
BSR 7UH+Y* BSR 7UH+Y* TXI 8C8+Y* BSR 7UH+Y* BSR 7UH+Y* TXI 8C8+Y* TXI 8C8+Y* TXI 8C8+Y* TXI 8C8+Y*
30350 -10075127070 -10075127071 -10075127072 -0750A2127073 -0750A2127101 -10075127104 -10075127105 -10075127105
Q75+Y* Q75+Y* Q75+Y* Q75+Y* Q75+Y* Q75+Y* Q75+Y* Q75+Y* Q75+Y*
30360 000001000002 -000006261132 000022377253 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001002 HTR 000000 HTR 000000 MPV 200000 MPV 200000 MPV 200000 MPV 200000 MPV 200000
3037 005450357400 000000000000 000000000000 200000033157 053126133363 107554133567 200000134047 004301134123
RFT 0+0+0 HTR 000000 HTR 000+00+ TXI +00+1 TXI 51F+1 TXI 8+*+X TXI +00+P TXI +00+P TXI +00+P
30400 000000134177 010573134327 200000134457 -135230134663 -027722135013 -14012613537 -135142135217 -043726135477
HTR 000+J* HTR 000+J* TXI 15+LG TXI +00+M TXI 5-H+01 TXI K+R+Q TXI K+R+Q TXI K+R+Q TXI K+R+Q
30410 -12533135627 -125350135757 -000301136033 103651271106 134337127107 134337127110 134337127111 121643127062
-8+*+G -8+*+G TXI 01470127051 TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z
30420 121643127114 001470127051 001470127052 -063075127055 -07717127057 -100246127060 -100246127061 -100246127062
TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z TXI 8+*+Z
30430 -112710127064 -100246127066 -100246127067 000000030507 000001000001 -001213124667 -000014250355 020000000000
R8B+YU Q2U+YU Q3V+YU Q3V+YU HTR 000357 HTR 001033 HTR 001033 HTR 001033 HTR 001033 HTR 001033 HTR 001033 HTR 001033
30440 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MPV 200000 MPV 200000 MPV 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
30450 103210136237 055750136313 076311130303 025541131357 103015130713 176701131117 065261311173 -000021131453
TXI 8+*+S 5+Q+T+ LLS 77+33 TXI 2+J+3 TXI 8+*+S TXI 8+*+S TXI 8+*+S TXI 8+*+S TXI 8+*+S TXI 8+*+S
30460 -120323131527 -002461131657 -10373131733 -10373131733 -10373131733 -10373131733 -10373131733 -10373131733
-3C+G R8C+YU Q2U+YU Q3V+YU HTR 000357 HTR 001033 HTR 001033 HTR 001033 HTR 001033 HTR 001033 HTR 001033 HTR 001033
30470 140456127073 140456127076 12756127077 126670127100 174074127103 046534127105 052434127106 -073662127110
TXI 14+Y* TXI 14+Y* TXI 14+Y* TXI 14+Y* TXI 14+Y* TXI 14+Y* TXI 14+Y* TXI 14+Y*
30500 -114351127114 -073662127053 -075203127053 -075203127057 -075203127061 -075203127067 -114351127063 000000000000
RLR+Z* P+5+Y* P+5+Y* P+5+Y* P+5+Y* P+5+Y* P+5+Y* P+5+Y*
30510 000001000004 -00114016542 000014174350 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001004 HTR 001+LW HTR 001+LW MPV 200000 MPV 200000 MPV 200000 MPV 200000 MPV 200000
30520 000000000000 000000000000 000000000000 17534132753 070464132677 072073132753 100365132753 074536133157
HTR 000000 HTR 000000 HTR 000000 TXI 9+J+U TXI 9+J+U TXI 9+J+U TXI 9+J+U TXI 9+J+U TXI 9+J+U TXI 9+J+U

30550	076452133233	10C221133363	101343133437	-120170133513	-000701335637	-120412133643	-117670133717	-125556133773
	B5P 7U=+0	TXI 82A=+1	TXI P=LX=0	-1V=+0	-00=+0	-48=+0L	-48=+0L	-+0=+0
30540	-051741134177	-120416134253	-117147134377	106321127065	106524127066	100607127070	077250127071	076626127072
	L=J=J0	-4=+K8	RTP=LG	TXI 83A=TV	TXI B3A=TV	TXI 86A=TV	REN 7=Q=VZ	WRS 7=U=VY
30550	077716127077	100121127074	077765127075	-000000127100	-11073317101	-110670127103	-111577127105	-112145127106
	7000Y, TXI 81A=VY	7000Y, TXI 81A=VY	7000Y, TXI 81A=VY	-000000127100	-11073317101	-110670127103	-111577127105	-112145127106
30560	-110553127110	-110502127112	-110733127051	000000030637	000000100005	-000775562735	-000037102571	020000000000
	R50Z28	R5Z+28	PT=8YR	HTR 000360	HTR 000105	-7=+G0	-0=8FA	MPY 200000
30570	020000017000	020000000000	020000000000	000000000000	000000000000	000000000000	000020000020	065755134403
	MPY 200000	MPY 200000	MPY 200000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000
30600	065574134633	067431134607	071046134663	145011134737	065574135013	120101135143	070631135273	-077640135347
	61=+N, TXI 81=+07	61=+07	780U=UT	TXI 81=+07	61=+07	TXI 81=+07	781=+07	P=+8P
30610	-103130135423	-110464135477	-064076135553	-113712135703	-114003136033	-102170136107	-046033136163	146314127052
	Q1H=+0	R4U=+0	SC=H=U=+0	R=+0=0	H=7=+0	QAY=77	H=7=77	TXI 81=+07
30620	146314127066	000000012707	000000012707	146314127073	146314127074	146314127101	000000127103	-105251371106
	TXI 81=+07	HTR 0000YX	HTR 0000YX	TXI 81=+07	TXI 81=+07	TXI 81=+07	HTR 0000YX	Q=8Z62
30630	-111561127111	-000000127052	-113227127055	-105253127056	-111561127061	-113227127062	-113227127063	000000030713
	R=+029	-000Y=	R=+029	Q=8Z62	R=+029	R=+029	R=+029	HTR 0000YX
30640	000000100000	-001342703473	-000034703110	020000000000	020000000000	020000000000	020000000000	000000000000
	HTR 000100	-+K=V1C	-01Y18	MPY 200000	MPY 200000	MPY 200000	MPY 200000	HTR 000000
30650	000000000000	222207403000	000000000020	077367136237	034741136313	000000130357	175064330433	200000130507
	HTR 000000	HTR 801=+00	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000
30660	052361130713	200000013067	0000000131043	-075667131247	-116553131377	-073421131453	-006071316577	-106261132063
	5C1=+7	TXI +00=+7X	HTR 0000AL	PCD P=+8P	H=+0=0	PCD P=+8P	TXI +00=+7X	Q5=+7
30670	-101772132211	-143424132267	-105721132623	123732127064	153607127065	000000127066	152214127072	153607127073
	Q=+0=0	+1L=+8A	Q=+0=0	TXI 80=+8YU	TXI 80=+8YU	HTR 0000YX	TXI 80=+8YU	TXI 80=+8YU
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	HTR 0000YX	HTR 0000YX	TXI 80=+8YU	-000121	-+8Z23	-+8Z24	-+8Z24	-+8Z29
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	MPY 200000	MPY 200000	MPY 200000	HTR 000000	HTR 000000			

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31400 000001000001 00014017042 000026007451 020000000000 020000000000 020000000000 020000000000 076313245400
HTR 001000 010000 010000 010000 010000 010000 010000 010000
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790000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
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32220	0200000000000	0200000000000	0200000000000	0000000000000	0000000000000	0000000000000	0000000000000	066632134347
	MPY 200000	MPY 200000	MPY 200000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	600+-P
32230	065206134123	067245134177	200000134253	064751134403	067104134533	067410134607	071203134663	-101745130067
	6-bw-JC	6-bw-JC	TIX +00+KS	6PR+M3	624-Y.	618+07	783+01	Q4Y-QX
32240	064550135143	-077260135217	-071517135347	-107330135423	-102402135477	-077270135553	-107036136033	146314127061
	QMQ-RL	KUN P=-,3	P00+BP	Q4H+0C	G02+-	ZUN P10+03	QY0+-	T1+BY/
32250	146314127066	146314127066	146314127070	146314127072	000000127073	0000000127074	0000000127076	-102233127100
	TX1 +T+Y5	TX1 +T+Y5	TX1 +T+Y5	TX1 +T+Y5	HTR 0000Y.	HTR 0000Y.	HTR 0000Y.	88,420
32260	-077005127101	-077323127103	-077323127104	-077323127112	-077323127053	-077323127054	-1014717127055	0000000032343
	PY5+Z1	KOL P.C+Z2	RQL P.C+74	RQL P.C+Z8	KOL P.C+Y5	KOL P.C+Y5	Q00+Y.	HTR 0003CL
32270	00000100063C	-0000063373405	-000007040043	0200000000000	0200000000000	0200000000000	0200000000000	0000000000000
	HTR 001000	-630+J5	-0740L	MPY 200000	MPY 200000	MPY 200000	MPY 200000	HTR 000000
32300	0000000000000	0000000000000	0000000000000	071607136163	13425136737	122262130303	GC1043130433	137017130563
	HTR 000000	HTR 000000	HTR 000000	70+7+T	TX1 +K0+5	TX1 085+3	08L+4.	TX1 +-+51
32310	076333130767	076625131117	077163131323	-000121131527	-11360131657	-000307131733	-11360131657	-122133132677
	LLS 71.-TX	ARS 71M+0C	ARS 72T+0C	-1A0+0C	RS +-0	UST 037+-	R0+00	-A.-A.
32320	-1027217133103	-103722133233	-135156133363	006226127056	124757127061	077176127063	076120127064	124757127065
	QGG+J3	Q08+-	SR0+-T	TC0C 05Y+7	TX1 +P00+Y/	AMS 720+Y/	WCP 77+0YU	TX1 0700Y/
32330	124757127067	077176127071	076120127072	-072312127073	-070515127074	-07065127076	-124072127077	-124072127078
	TX1 0P0+Y/	ARS 720+Y/	NOP 77+0Y/	PC0+Y/	P50+Y/	P60+Y/	-+00+Y/	-+00+Y/
32340	-0773217127101	-070515127103	-070655127104	0000000032417	0000000000000	000166122346	-000300327117	0200000000000
	PC0+Z1	P50+Z3	P60+Z4	HTR 000300	HTR 001001	01M+0C	-00+0-	MPY 200000
32350	0200000000000	0200000000000	0200000000000	072675513400	07232124400	0000000000000	0000200000000	131105133637
	MPY 200000	MPY 200000	MPY 200000	770+R10	7C0+M0	HTR 000000	HTR 000000	TX1 990+-
32360	075617133512	077312133567	070365133643	075030134123	071534134253	074051134327	076316134403	-115605134607
	PCA 700+-	730+0L	730+0L	70M+J0	70+K5	75+LG	LLS 710+M3	R0+07
32370	-07403135143	-121426135217	-111713135347	-000000135553	-065303135627	-117664135757	-125055136033	133557127110
	PL3+RL	-T+X-	R0+SP	-0C0+5	083+0C	R00+-	-Q0+-	TX1 +-+028
32380	1254461271112	121234127114	120301127051	133557127052	121234127056	0000000127060	0000000127061	-100524127062
	TX1 0P0+Z4	TX1 0810Z1	TX1 0310Y/	TX1 +-+0Y-	TX1 0810Y/	HTR 0000Y/	HTR 0000Y/	0500Y5
32410	-077467127063	-071540127066	-105406127072	-10644				

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33100 -141723127100 -143653127101 -000000127102 000000033157 000001000041 -000157217111 -000013702214 020000000000
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MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000

33660	10701134737	070354135067	076113135273	121475135347	05125135423	076517135477	101650135553	-106447135627
TXI	0F00P0	PSE 7 0000	WOP 770000	TXI 000000	000000	LAS 700000	TXI 000000	000000
33670	-107601135757	-106116116107	-117041136163	-111404136313	-000000 136367	-110341136303	-112371136337	111652127061
Q01000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000
33700	111652127062	111044127063	107750127064	111767127065	111160127071	110065127072	000000 127075	-076760127103
TXI	000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000
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PA 024	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000
33720	0000001000052	-001125713454	0000001151004	020000000000	020000000000	020000000000	020000000000	000000000000
MTX	001000	MTX 003034	MTX 003034	MTX 003034	MTX 003034	MTX 003034	MTX 003034	MTX 003034
33730	0000000000000	214703335000	000000000000	200000135767	021231131043	045445131117	104584131247	025320131377
MTX	000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000
33740	075216131453	166226111733	073327132043	-130300132137	-130422132343	-134422132417	-010767132673	-131442132677
TXI	000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000
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33760	000000127066	000000127071	200000127072	-147577127077	-140647127103	-140647127104	-000000127106	-000000127107
MTX	000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000
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34000	0200000000000	020000000000	020000000000	020000000000	020000000000	020000000000	020000000000	020000000000
MTX	000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000	MTX 000000
34010	046765134457	063147134533	046734134633	177575134737	050270135067	056735135217	050364135373	-104570135347
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34020	-054453135477	-074640135553	-101205135627	-103744135757	-103560136107	-11157136313	-07625136367	107500127052
TXI	000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000	TXI 000000
34030	107566127053	107716127054	120320127055	120646127056	104127127060	104127127061	000000127065	-101740127066
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34040	-101740127067	-072077127071	-102033127073	-101740127074	-101740127075	-072077127077	-101740127103	000000034123
Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000
34050	0000001000054	000154130303	000032247136	020000000000	020000000000	020000000000	020000000000	107177620400
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34060	107365213400	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	055550131327
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34110	120431127051	121747127052	127133127054	-000000127055	-114117127057	-112535127061	-105135127062	-111337127064
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34120	-112535127066	-112535127067	-105135127070	000000034177	000000034177	-00131250616	-000000127113	020000000000
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34130	0200000000000	020000000000	020000000000	000000000000	000000000000	000000000000	000000000000	105672133567
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34170	-103336127112	-066142127114	-101564127051	-103635127052	-103535127060	-067714127063	-103321127066	000000034253
Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000	Q00000
34200	0000001000056	-001611567402	-000013422076	020000000000	020000000000	020000000000	020000000000	020000000000
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34210	0000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
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34220	200000131453	053734132063	06465132137	-113307132267	-102231132343	-105427132417	-076304132473	-050341132547
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34230	-077162132677	-105226132753	-100531133103	000000127067	011541127072	132262127074	132262127075	147717127077
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34270	070667133307	074171133513	072717133567	200000133643	055503133773	06265 134123	063064134403	-104577134457
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34300	-075316134533	-104205134607	-104411134663	-100646134737	-102547135013	-103763135067	-055432135143	000000127056
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34330	0000001000060	-000611621140	000027677355	020000000000	020000000000	020000000000	020000000000	000000000000
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3531C 071155135703 077054136033 074157136237 076464136367 104437130303 277557130357 105270130357 -075000130713
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3532C -075333130767 -077000131247 -100554131247 -106642131377 -077015131453 -103006131527 -075000132137 100140127105
TTL 040025 TTL 040025 TTL 040025 TTL 040025 TTL 040025 TTL 040025 TTL 040025
3533C 065377127054 13430127066 110666127071 055056127071 067615127072 110666127076 100140127102 -134664127105
TTL 040025 TTL 040025 TTL 040025 TTL 040025 TTL 040025 TTL 040025 TTL 040025

35340	-066363127110	-066303127111	-1C1050127112	-066303127051	-2, 120127056	-066303127057	-066303127061	000000035423
	0T3#Z8	0T3#Z9	C#G#Z4	0T3#YR	-A#Y#Z	0T3#Y#	0T3#Y#	HTR 0003#C
35350	000001000074	-0012#7632311	-0000113750043	020000000000	020000000000	020000000000	020000000000	000000000000
	HTR 001001	-1PTC9	-#EOL	MPY 2'00000	MPY 200000	MPY 200000	MPY 200000	HTR 000000
35360	000000000000	000000000000	000020000020	07265313213	073074132473	200000132547	0620461'2677	062176133157
	H# 000000	HTR 000000	HTR 000000	7F#A#0	7H1#0	TIX #00#EP	6#J#F#	STA #A#0#
35370	067#65133233	101763133307	061513133363	-02316513343	-113570133513	-070521133717	-113647133773	-113704134047
	6#V#	T#1 #0#1#	6#V#	K1V#0	R#V#	P5#A#	R#P#	R#A#P
35400	-112452134123	-072471134533	-113632134607	000000127002	111632127666	116246127067	112361127070	105153127072
	R#A#J	P#Z#N#	R#A#07	HTR 0000Y#	#1 99Y#Y#	T#1 950#Y#	T#1 9C#Y#Y	T#1 9#S#Y#
35410	133332127073	114515127075	110541127074	-000000127100	-113253127101	-113220127105	-113253127106	-113253127107
	T#1 0#Y#Y	T#1 9#Y#Y#	T#1 95Y#Y#	-00#Z0	R#A#21	R#A#25	R#A#26	R#A#27
35420	-101502127111	-105632127112	-113270127113	000000C35477	000001000075	-0J0355632007	000915532154	020000000000
	Q#A#Z#	Q#A#Z#	R#A#Z#	HTR 0003#	HTR 0010#	-3#T#2	HTR 000#A#	MPY 200000
35430	020000030000	020000000000	020000000000	000000000000	000000000000	000000000000	000020000070	17744134737
	MPY 200000	MPY 200000	MPY 200000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	T#1 #Z#P#
35440	062730135013	057577135067	073155135143	0666061'5217	073411135347	064777135477	073507135553	-11514313603
	6#W#Q#	5#W#Q#	71#R#L	6#W#	P#A#	6#P#	7#W#	R#L#
35450	-104355136163	-115204136433	-054153136637	-060143130767	-111225131377	-101676131527	-071410131603	-104420127051
	Q#W#T	R#A#4	R#M#	G1L#7	R#E#	Q#W#	P#B#3	T#1 8#Y#Y#
35460	100211270557	100521127054	132355127056	104420127057	100521127061	132365127064	000000127065	-104016127067
	T#1 85A#Y	T#1 85A#Y	T#1 C#V#Y	T#1 8#Y#Y	T#1 85A#Y	T#1 C#V#Y	HTR 000#Y#	Q#Y#Y
35470	-103226127070	-050205127072	-104016127075	-104016127102	-104016127103	-100232127107	-104016127110	000000035553
	Q#Y#Y#	M25#Y	Q#Y#Y	Q#A#Z	Q#A#Z	Q#A#Z	Q#A#Z	HTR 000#
35500	000001000076	000166124474	000020171674	020000000000	020000000000	020000000000	020000000000	103147174000
	P#R 001000	01W#Y	HTR 000#	MPY 200000	MPY 200000	MPY 200000	MPY 200000	T#1 81P#
35510	102654355000	000000000000	000020000070	067625132137	065403132267	063217132417	067625132547	064502132677
	T#1 8F#A#Q	HTR 000000	HTR 000000	6#E#A#	6#B#X	6#D#	6#E#P	6#Z#F#
35520	2000000132753	067625133027	073154133103	-112657133233	-000000133307	-113527133567	-116750133643	-057361133773
	T#X #00#G#	6#E#G#	71#I#3	R#F#	-00#7	R#W#X	R#W#L	R#W#
35530	-114010134123	-117062134177	-117727134327	-111505127112	-102466127114	-10440127051	-111702127052	-111505127053
	R#A#J	R#Y#J	R#G#L	T#1 9#A#Z	T#1 920#Z	T#1 9#A#Y	T#1 9#A#Y	T#1 9#A#Y
35540	111505127054	110246127056	000000127057	-077327127062	-101042127064	-10J607127065	-077327127067	

36100	-122732127056	-127427127062	-000000127067	000000036237	000001000105	-001406240562	-000021127136	020900000000
	-G+Y+	-LGY+	-00Y+	HTR 00035+	HTR 001015	-76055	-0A+Z	MPY 200000
36170	020000000000	020000000000	020000000000	000000000000	000000000000	000000000000	000020000020	052737134047
	MPY 200000	MPY 200000	MPY 200000	MPY 200000	HTR 000000	HTR 000000	HTR 00+000	5G+P
36200	200000134123	026261134253	023136134403	177133134533	C43774134663	116304134737	071767135143	-1246273135217
	TX 000J	25/+K	21+M	.X1	4+27	TX1 914+P	70X+RL	-0C+P
36210	-124116135423	-130526135703	-000045136033	-000000136153	-124351136237	-127521136313	-122171136367	010474127071
	-J+e+C	85F+3	-0M+	-00+T	-LR+5	-e+M	-AP+X	141+Y
36220	010474127072	137670127074	147457127077	137670127101	137670127102	147457127105	000000127107	-104232127111
	141+Y	TX1 01+Y	TX1 01+Y	TX1 01+Y	TX1 01+Y	TX1 01+Y	HTR 000077	80+Z
36230	-070560127114	-103313127051	-077103127052	-104232127053	-070560127055	-077103127060	-104232127061	000000036313
	P5 +Z	Q+YR	Z3B+Y	QM+YR	P5 +Y	Z3B+Y	QM+YR	HTR 00037+
36240	000001000106	-001341215346	-000025057433	020000000000	023000000000	020000000000	020000000000	000000000000
	HTR 001016	-+JA0	-0E51	MPY 200000	MPY 200000	MPY 200000	MPY 200000	HTR 000000
36250	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000	000000000000
	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000
36260	054366131543	157470131527	056363132267	-146613112243	-135231132417	-000573132573	-146275133027	-143773143157
	ACMG+5LM+9	TX1 01Y+0G	51F+BX	01+CL	5-1-D	-5,-G8	05+MG	00+J
36270	-147051133307	-000000133363	-011577133537	102654177062	142750127063	000000127066	051631127067	12654127076
	+YR+7	-C0+T	J+e+J	TX1 0F+Y	TX1 0G+Y	HTR 0000Y	5+YX	TX1 0F+Y
36300	143613127072	000000127101	051631127103	-00726127104	-000000127105	-114357127106	-131012127107	-131012127110
	TX1 0+Y	HTR 0000Z	5+1+Z	TRC+G	-0075	RL+Z6	880+7	880+7
36310	-131012127052	-114351727056	-131012127057	000000036367	000001000107	-0C1451642175	-000015001370	02G000000000
	880+Y	RL+0Y	880+Y	HTR 0003TX	HTR 001017	-+RAN+1	-00+0	MPY 200000
36320	020000000000	020000000000	020000000000	000000000000	000000000000	000000000000	000020000020	104725133513
	MPY 200000	MPY 200000	MPY 200000	HTR 000000	HTR 000000	HTR 000000	HTR 00+00	TX1 BPE+0
36330	104044133567	176756133643	100063133717	101174134253	102577134327	066736134403	075012134457	-072451134533
	TX1 0M+X	ALS 7X+0	TX1 80T+0	TX1 89L+K	TX1 8E+LG	6X+0	70M+0	PDR+0
36340	-104674134607	-076053134737	-074424135217	105404135423	-074424135427	-07351135627	-103513136033	116036127061
	Q01+07	MSE P 3+P	PMD+0	04+0C	PS2+00	LGL PTRA+G	Q0+0	TX1 9 0+Y
36350	045725127064	044717127071	047722127072	122776127073	11771127076	120776127101	115165127102	-137710127106
	4+0YU	4P+Y2	4+0YU	TX1 0G+Y	TX1 9Z+Y	TX1 97+021	TX1 91V+22	8+0Z6
36360	-061771127107	-067600127110	-064773127112	-137710127114	06177127051	-067600127052	-067600127053	000000036443
	0+Z+Z	0+0Z8						

37010	-004717132417	-00000014753	-176711133103	-176410133307	-176711133437	-012634133567	-057631133717	-027645133773
	-P=000	-00000	-00000	-00000	-00000	-00000	-00000	-00000
37020	-017450134120	-020000134177	-017400134253	-017400134253	-004717134457	-012063134533	-107055134663	-176711135143
	J10=00	MPR F04=00	J10=00	J10=00	J10=00	J10=00	J10=00	J10=00
37030	-176711135273	-041162135423	-070000135553	-176711135313	-176711135313	-001226130357	-012634130307	-162762130767
	-049=00	-049=00	-00000	-049=00	-049=00	-049=00	-049=00	-049=00
37040	-176711131043	-023754131657	-054367132007	-176711132137	-050521132267	-176711132473	-004717133157	-176711133233
	-049=00	-049=00	-049=00	-049=00	-049=00	-049=00	-049=00	-049=00
37050	-162751133363	-004717133513	-020055133643	-000000135013	-176711135067	-000000135477	-030171131117	-176711131733
	-049=00	-049=00	-049=00	-00000	-049=00	-00000	-049=00	-049=00
37060	-176711132043	-032624132343	-176711132547	-025517133027	-176711134403	-025542134737	-012634135347	-000000000000
	-049=00	-049=00	-049=00	-049=00	-049=00	-049=00	-049=00	-00000
	WORDS 3707C	TO 37367	ALL CONTAIN	254524452563	254524452563	254524452563	254524452563	254524452563
	000000	000000	000000	000000	000000	000000	000000	000000
37370	-057640000000	-000000000000	-000000000000	-000000000000	-000000000000	-000000000000	-000000000000	-000000000000
	000000	000000	000000	000000	000000	000000	000000	000000
	WORDS 3710C	TO 37377	ALL CONTAIN	254524452563	254524452563	254524452563	254524452563	254524452563
	000000	000000	000000	000000	000000	000000	000000	000000
37700	254524452563	254524452563	254524452563	254524452563	254524452563	254524452563	254524452563	254524452563
	TIX ENDMET	TIX ENDMET	TIX ENDMET	TIX ENDMET	TIX ENDMET	TIX ENDMET	TIX ENDMET	TIX ENDMET
	WORDS 37710	TO 37777	ALL CONTAIN	254524452563	254524452563	254524452563	254524452563	254524452563
	000000	000000	000000	000000	000000	000000	000000	000000
40000	-100000000000	-002100004522	-100000000000	-100000000000	-100000000000	-100000000000	-100000000000	-100000000000
	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000
	WORDS 40010	TO 72457	ALL CONTAIN	254524452563	254524452563	254524452563	254524452563	254524452563
	000000	000000	000000	000000	000000	000000	000000	000000
72460	100000072466	077400100000	077400100000	044100072465	002000400001	000000000000	060400072464	063400072465
	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000
72470	063400072476	063400072462	063400072462	002000072461	000000000000	000000000000	000000000000	000000000000
	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000
72500	002000073746	100000000000	100000000000	100000000000	100000000000	100000000000	100000000000	100000000000
	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000	STR 000000
	WORDS 72510	TO 72537	ALL CONTAIN	254524452563	254524452563	254524452563	254524452563	254524452563
	000000	000000	00					

73100	053500424565	177777473162	-063400473711	-077400100001	060600072516	063700172516	053400472515	130664473170
	LAC 5 000000	TXJ 000P15	SAR 0100P0	ARC P10001	STZ 0007E0	SCA 0000E0	LXA 5100PE	TRJ 000P15
73170	063400473347	053400472515	13066277373	063400473345	053400472515	110061473176	063400473343	053400472515
	SXA 610P0P	LXA 5100PE	TXJ 000P15	SXA 610P0P	LXA 5100PE	TXJ 000P15	SXA 610P0P	LXA 5100PE
73200	100600473201	063400473341	053400472515	130057473700	063400473337	063400472515	130056473707	063400473335
	TXJ 000P0P	SXA 610P0P	LXA 5100PE	TXJ 000P0P	SXA 610P0P	LXA 5100PE	TXJ 000P0P	SXA 610P0P
73210	053400472515	110056473212	063400473333	007400413742	100900073220	073744000040	000700014153	000000072647
	LXA 5100PE	TXJ 000P0P	SXA 610P0P	TXJ 010J0P	TXJ 0007P0	PAC 700000	HTR 0001J8	HTR 0007P0
73220	007400406664	060100072521	007400406664	060100072520	007400406664	060100072521	007400406664	060100072522
	TXJ 010000	STO 6100PE	TXJ 010000	STO 6100PE	TXJ 010000	STO 6100PE	TXJ 010000	STO 6100PE
73230	007400406664	060100072523	007400406664	060100072524	007400406664	060100072525	007400406664	060100072526
	TXJ 010000	STO 6100PE	TXJ 010000	STO 6100PE	TXJ 010000	STO 6100PE	TXJ 010000	STO 6100PE
73240	007400413520	007400413672	100000073246	073744000045	000000072653	050000072517	007400406664	007400406664
	TXJ 010000	TXJ 010000	TXJ 0007P0	PAC 700000	HTR 0001J8	HTR 0007P0	CLA 5007PE	TXJ 010000
73250	050000072520	007400406664	050000072521	007400406664	050000072522	007400406664	050000072523	007400406664
	CLA 5007PE	TXJ 010000	CLA 5007PE	TXJ 010000	CLA 5007PE	TXJ 010000	CLA 5007PE	TXJ 010000
73260	050000072524	007400406664	050000072525	007400406664	050000072526	007400406664	007400406664	007400406664
	CLA 5007PE	TXJ 010000	CLA 5007PE	TXJ 010000	CLA 5007PE	TXJ 010000	TXJ 010000	TXJ 010000
73270	100000073274	073744000046	000000072520	000000072554	007400406664	100000073301	073744000050	000000072521
	TXJ 0007P0	PAC 700000	HTR 0007P0	HTR 0007P0	TXJ 010000	TXJ 0007P0	PAC 700000	HTR 0007P0
73300	000000072554	007400406664	100000073301	073744000052	000000072522	000000072553	007400406664	100000073313
	HTR 0007P0	TXJ 010000	TXJ 0007P0	PAC 700000	HTR 0007P0	HTR 0007P0	TXJ 010000	TXJ 0007P0
73310	073744000054	000000072525	000000072553	007400406664	100000073320	073744000056	000000072524	000000072553
	PAC 700000	HTR 0007P0	HTR 0007P0	TXJ 010000	TXJ 0007P0	PAC 700000	HTR 0007P0	HTR 0007P0
73320	007400406664	100000073325	073744000060	050000072525	000000072553	007400406664	100000073332	073744000062
	TXJ 010000	TXJ 0007P0	PAC 700000	HTR 0007P0	HTR 0007P0	TXJ 010000	TXJ 0007P0	PAC 700000
73330	000000072526	000000072556	050000072520	060100000000	050000072521	060100000000	050000072522	060100000000
	HTR 0007P0	HTR 0007P0	CLA 5007PE	CLA 5007PE	CLA 5007PE	CLA 5007PE	CLA 5007PE	CLA 5007PE
73340	050000072523	060100000000	050000072524	060100000000	050000072525	060100000000	050000072526	060100000000
	CLA 5007PE	STO 610000	CLA 5007PE	STO 610000	CLA 5007PE	STO 610000	CLA 5007PE	STO 610000
73350	050000072522	040200072554	-010000073354	000000073305	007400406664	100000073361	073744000076	000000

74010	C50000400011	07340C100000	-063400173203	050000400012	073400100000	-063400173200	050000400013	073400100000
	CLA 500-09	PAX 710800	SKD 010-03	CLA 500-00	PAX 710800	SKD 010-00	CLA 500-00	PAX 710800
74020	-063400173175	050000400014	07340C100000	-063400173172	050000400015	073400100000	-063400173167	050000400016
	SKD 010-01	CLA 500-00	PAX 710800	SKD 010-01	CLA 500-00	PAX 710800	SKD 010-01	CLA 500-00
74030	073400100000	177777174032	063400173132	-063400173636	-063400173553	-063400173661	050000400017	062100073166
	PAX 710800	TXI 000-00	SKA 610-01	SKD 010-00	SKD 010-00	SKD 010-00	CLA 500-00	STA 6A071
74040	062100073701	050000400020	062100072734	062100073137	062100073350	062100073576	062100073403	062100073445
	STA 6A07-01	CLA 500-00	STA 6A07G1	STA 6A0710	STA 6A07-30	STA 6A07-00	STA 6A07-03	STA 6A07-00
74050	062100073666	062100073671	050000400021	073400100000	1000000714055	-063400173523	-063400173612	002000072732
	STA 6A0704	STA 6A07-07	CLA 500-0A	PAX 710800	TXI 803-00	SKD 010-0C	SKD 010-00	TRA 0-07G6
74060	-063000037072	013000000000	000000075470	200400074004	000310000001	-023400131733	-076267132007	-153535132213
	-007-0	TXI 100000	HTR 0007-0Y	TXH H407-0	0384001	Ko 0-00	TXH 0-00	0-00-00
74070	-154744132363	-011762132547	-21321132623	-102570132677	-020324132753	-023400133027	-140603133103	-016415133437
	oPmCL	JoS=EP	-0A=FC	QEM=F	K3D=GS	Ko 0-00	oE=13	JU=0-10
74100	-167567133463	-142176134067	-134475134123	-113545134177	-155545134327	-056444134457	-011762134533	-157363134737
	oX=0-0	oX=0-0	oX=0-0	oX=0-0	oX=0-0	oX=0-0	oX=0-0	oX=0-0
74110	-160170135013	-154667135067	-016415135217	-167057135347	-070706135423	-162415135477	-023400135627	-072242136037
	oY=0-0	oY=0-0	oY=0-0	oY=0-0	oY=0-0	oY=0-0	oY=0-0	oY=0-0
74120	-140727130303	-041331130357	-000000130637	-000000130767	-003702131043	-157325131173	-151414131247	-115372131377
	oZ=0-0	oZ=0-0	oZ=0-0	oZ=0-0	oZ=0-0	oZ=0-0	oZ=0-0	oZ=0-0
74130	-132033131657	-016415132063	-115375132417	-034472133157	-141175133773	-153757134253	-132525134403	-160125134607
	oA=0-0	oA=0-0	oA=0-0	oA=0-0	oA=0-0	oA=0-0	oA=0-0	oA=0-0
74140	-016415134163	-134044135701	-023400136107	-100473136163	-003702136237	-153346136313	-030601130563	-161446130713
	oB=0-0	oB=0-0	oB=0-0	oB=0-0	oB=0-0	oB=0-0	oB=0-0	oB=0-0
74150	-1556641323	-105272131527	-003702131603	-036415132137	-030601132473	-030601133293	-023400133307	-003702133363
	oC=0-0	oC=0-0	oC=0-0	oC=0-0	oC=0-0	oC=0-0	oC=0-0	oC=0-0
74160	-15447133643	-155413135273	-111674135553	000000037067	000000000002	000377777777	-000000000000	002000000000
	oD=0-0	oD=0-0	oD=0-0	oD=0-0	oD=0-0	oD=0-0	oD=0-0	oD=0-0
74170	002000000000	174000000000	174000000000	000000000000	177777774000	177777774000	000174000002	100000136443
	TRA 0-0000	TXI 0-0000	TXI 0-0000	HTR 050000	TXI 000-00	TXI 000-00	011002	TXI 800-00
74200	-100000136443	000000135627	000000135757	160612136163	000000136313	011707136367	000000130637	012677767
	STR 000-00	HTR 000-00	HTR 000-00	TXI 0-0-00	HTR 000-00	HTR 000-00	HTR 000-00	HTR 000-00
74210	000000131043	04						

75420 000225090336 000231000336 000235000336 000237000336 000243000336 000245000336 000247000336 000251000336
02E03 02103 02033 02033 02L03 02033 02033 02033
75430 000225090336 000231000336 000235000336 000237000336 000243000336 000245000336 000247000336 000251000336
02033 02033 02033 02033 02033 02033 02033 02033
75440 000113000336 000115000336 000121000336 000131000336 000133000336 000155000336 000161000336 000165000336
01033 01033 01033 01033 01033 01033 01033 01033
75450 000171000336 000177000336 000215000336 000217000336 000223000336 000227000336 000233000336 000237000336
01033 01033 02033 02033 02033 02033 02033 02033
75460 000271000336 000273000336 000275000336 000277000336 000279000336 000281000336 000283000336 000285000336
02033 02033 02033 02033 02033 02033 02033 02033
75470 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
HTR 000776 TXH H40776 HTR 003001 HTR 000002 HTR 000000 HTR 000000 HTR 000000
WORDS 75500 TO 75777 ALL CONTAIN -000000000000

76000 -000000000000 -000000000000 -000000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000
-000000 -000000 -000000 -000000 -000000 -000000 -000000 -000000
WORDS 76010 TO 76067 ALL CONTAIN -000000000000

76070 -100000000000 -100000000000 000000000000 300400076076 000310000001 020000000000 020000000000 020000000000
STR 000000 STR 000000 HTR 000776 TXH H40776 038001 MPY 200000 MPY 200000 MPY 200000
76100 020000000000 000000000000 000000000000 000000000000 000000000000 177144134737 062730135013 057577135067
MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 TXI 020000 TXI 020000 TXI 020000
76110 073155135143 066406135217 073155135143 066406135217 073155135143 066406135217 073155135143 066406135217
TXI 073155 TXI 066406 TXI 073155 TXI 066406 TXI 073155 TXI 066406 TXI 073155 TXI 066406
76120 -054153130637 -060143130637 -111225131377 -101761313527 -071410131603 104420127051 100521127052 100521127054
RCHD H40776 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143
76130 132365127054 104420127051 100521127052 132365127054 000000127065 -104016127067 -103226127070 -050265127072
TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143
76140 -104016127075 -104016127102 -104016127103 -106232127107 -104016127110 000000035553 000001000076 000166124474
TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143 TXI 060143
76150 000020171774 020000000000 020000000000 020000000000 020000000000 103147174000 102654355000 000000000000
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 TXI 000000 TXI 000000 TXI 000000
76160 000020000020 067625132137 065403132267 063217132417 067625132137 065403132267 063217132417 067625132137
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76170 073154133103 -112657133233 -000000133307 -113537133567 -116755133643 -057361133773 -114010134123 -117062134177
TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154
76200 -117727134327 111505127112 110246127114 110440127051 111702127052 111505127053 111505127054 110246127056
TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154 TXI 073154
76210 000000127057 -077327127062 -101042127064 -100607127065 -077327127067 -077327127071 -077327127075 -077327127079
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76220 -101042127100 000000035627 000001000077 000000035627 000000035627 000000035627 000000035627 000000035627
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76230 020000000000 037007556000 035204064400 000000000000 000000000000 005435134403 174163135013 156715135143
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76240 004576135217 005450135273 177026135703 010252135757 175472136033 -123312136163 -123312136237 -122707136367
TXI 004576 TXI 005450 TXI 005450 TXI 005450 TXI 005450 TXI 005450 TXI 005450 TXI 005450
76250 -000503130357 -120557130507 -110640130637 -032706130767 -121214131177 017564127101 077137127103 020437127105
TXI 000503 TXI 000503 TXI 000503 TXI 000503 TXI 000503 TXI 000503 TXI 000503 TXI 000503
76260 155545127110 124712127112 126066127113 126066127114 061562127052 -110716127062 -107664127063 -107664127064
TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562
76270 -110716127070 -110716127073 -110716127076 -107664127077 -004654127101 000000035703 000001000100 -000126474171
TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562 TXI 061562
76300 000020626122 020000000000 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000
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76310 000020000020 066544131377 057161131453 052354131603 052354131657 000000131733 054127132007 074152132063
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76320 13461712343 -121514132417 -131173132547 -131173132623 -124331132753 -009300133027 -125047133103 -122274133233
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
76330 -000000133307 146314127102 000000127106 146314127110 146314127111 000000127112 000000127113 146314127052
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
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76360 020000000000 142116770000 140440601000 000000000000 000000000000 000000133643 000000134047 043710134253
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76370 200000135013 062230135217 000000135273 051637135347 200000135477 000000135703 000000135703 -123235136237
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
76400 -141265136367 -136652130303 -040176130357 -146261130433 -136631130507 -100000000000 -100000000000 -100000000000
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WORDS 76410 TO 76427 ALL CONTAIN -100000000000

76430 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000 -100000000000
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76440 200001476437 002000076446 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
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WORDS 76450 TO 76467 ALL CONTAIN -100000000000

76470 -100000000000 -100000000000 -100000000000 -100000000000 000000074060 300400076476 000310000001 000000127102
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76500 000000127105 124422127107 124422127112 131057127114 12315127052 124422127054 126113127056 -101364127060
HTR 000825 TXI 060827 TXI 060828 TXI 060829 TXI 060830 TXI 060831 TXI 060832 TXI 060833
76510 -073474127062 -076376127064 -101364127066 -101364127067 -076376127072 -101364127073 -101364127074 000000036033
PDX P11455 LGL PT04YU Q=U4YV Q=U4YV Q=U4YV Q=U4YV Q=U4YV Q=U4YV Q=U4YV Q=U4YV
76520 000001000102 -000454017643 -000026165322 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001012 HTR 001012 HTR 001012 HTR 001012 HTR 001012 HTR 001012 HTR 001012 HTR 001012
76530 000000000000 202166051000 000020000020 177746130563 200000130637 200000130767 000000131323 000000131377
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76540 200000131453 000000131657 000000131733 -101276132007 -106640132137 -106027132273 -107166132343 -105756132417
TXI 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
76550 -107652132753 -025622133157 -106751133567 000000127077 175334127101 103665127102 175334127106 000000127111
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
76560 000000127112 175334127051 103665127052 -143413127053 -000000127056 -000000127057 -143413127061 -143413127062
HTR 000000 TXI 060828 TXI 060829 TXI 060830 TXI 060831 TXI 060832 TXI 060833 TXI 060834
76570 -022124127066 -143413127067 -137574127071 000000036102 0000001000103 0000001000103 -001032450072 000021212267 020000000000
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
76600 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MPY 200000 MPY 200000 MPY 200000 MPY 200000 MPY 200000 MPY 200000 MPY 200000 MPY 200000
76610 000504133717 011374133773 115263134047 200000134123 200000134177 026644134253 200000134533 -107512134737
054000 TXI 011374 TXI 011374 TXI 011374 TXI 011374 TXI 011374 TXI 011374 TXI 011374

76620 -115035135067 -11150-115273 -107254135347 -000000135553 -163540135757 -112445136367 -114042130303 002103127073
RQ=003 R=0000 Q=0000 -000000 Q=0000 RQ=TX R=0000
76630 130715127102 130715127103 130715127104 137543127105 137436127106 625663127107 036640127114 -101270127052
TXI 07022 TXI 07023 TXI 07024 TXI 07025 TXI 07026 TXI 07027 TXI 07028 TXI 07029
76640 -101520127053 -101321127054 -101520127060 -101520127061 -072706127063 -073120127064 -101730127065 000000036163
Q=0000 Q=0000 Q=0000 Q=0000 Q=0000 Q=0000 Q=0000 Q=0000
76650 000000000104 -001062136174 000005714411 020000000000 020000000000 020000000000 020000000000 000000000000
MTR 001014 -05011 MTR 005100 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
76660 000000000000 000000000000 000000000000 077716130507 106543130563 100275131043 076654131117 076430131177
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
76670 076663131247 076664131323 076177131453 -076512131657 -07727132267 -07727132417 -101306132547 -100073132623
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76700 -100567132753 -076633133103 -101367133233 200000127066 000000127072 000000127076 200000127103 000000127105
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76710 000000127107 200000127110 200000127111 -127427127112 -127427127113 -127427127114 -127427127115 -127427127116
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76720 -127732127056 -127427127052 -000000127067 000000000000 000000000000 000000000000 000000000000 000000000000
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76730 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
76740 200000134123 026261134253 023136134403 177133134533 043774134663 116304134737 071767135143 -126623135217
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
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MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
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MTR 001014 MTR 001014 MTR 001014 MTR 001014 MTR 001014 MTR 001014 MTR 001014
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77070 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77100 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77110 200000131043 052302131173 054366131453 157470131527 054366132267 -146613132343 -135231132417 -000573132753
TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000 TXI 000000
77120 -146275133027 -143773133157 -147051133307 -000000133363 -015771133437 146254127062 14750127063 000000127066
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MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77140 -131012127107 -131012127108 -131012127109 -131012127110 -131012127111 -131012127112 -131012127113 -131012127114
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77160 000000000000 104725133513 104044133567 076756133643 100063133717 101174134253 102577134327 066736134403
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77170 075012134457 -072451134533 -104674134607 -076053134737 -074424135217 -105404135423 -076202135477 -076351135627
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MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77210 113165127102 -137710127106 -061771127107 -067600127110 -064773127112 -137710127114 -061771127115 -067700127052
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77220 -067600127053 000000036447 0000001003110 -000602636427 -000013620073 020000000000 020000000000 020000000000
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77230 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
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77240 076030130507 067372130637 065337131377 112716132007 075457132063 -003070132267 -124716132373 -127520132417
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
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MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
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MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77270 -124175127100 -122645127101 -125022127102 -125022127103 -125022127104 -125022127105 -125022127106 -125022127107
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77300 -000000000000 002000000000 002000000000 174000000000 174000000000 206650756400 000000000000 000000000000
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77310 000174000002 100000136655 -100000136655 014165130433 200000130637 200000130767 000000131323 200000131377
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77360 000000132343 000000132417 173004132473 173004133437 000000133567 000000133773 000000134403 020371134457
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77400 000531134663 000000135013 173004135143 000000135477 173004130303 022603130357 000000130507 000000130713
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77410 002054131657 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
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77530 -206006060600 -206006060600 -206006060600 -206006060600 -206006060600 -206011111111 111111111111 111111111111
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77540 111111111111 111160606060 000000077500 300016077544 -206000073360 006000020333 -200006060205 336000060600
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000
77550 073360060600 021033600060 -000271133600 -204003003360 006740030133 006740030133 336000060600 023360060600
MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000 MTR 000000

LIST 1a

9 165221 0 5100 362 0.5,5000 65-424,FLAUGHER J.G.,MANAM

90 UNIT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FUNCTION	PGH	PRT	LP1	LP2	LP3	LP4	LP5	LP6	LP7	LP8	LP9	LP10	LP11	LP12	LP13	LP14	LP15	LP16	LP17	LP18	LP19	LP20	LP21	LP22	LP23	LP24	LP25	LP26	LP27	LP28	LP29	LP30
SYMBOLIC																																
40 LOGICAL	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	
40 UNIT																																

9 165221 0 35-TOP A(9) 226,DISK
 9 165221 0 35-TOP A(8) DISK,714
 9 165221 0 35-TOP A(7) 1067,DISK
 9 165221 0 35-TOP A(4) DISK,1106
 9 165221 0 35-TOP 00000,77777,c,DUMP
 9 165221 0 EXECUTE INJCR
 9 165247 0 FILE READY FOR USE.....
 9 165247 0 51000 FILE NAME UNIT

9 165247 0 UNIT01 AC
 9 165247 0 UNIT03 H6
 9 165247 0 UNIT04 A9
 9 165247 0 UNIT08 A7
 9 165247 0 UNIT09 A6
 9 165247 0 UNIT10 A8
 9 165247 0 UNIT11 A8
 9 165247 0 UNIT12 H7
 9 165247 0 FILE2 A9
 9 165301 0 EXECUTION
 9 165303 0 INPUT CONVERTED
 9 165437 0 DATE A) FILE2 REMOVE REEL 0001

9 165437 0 END OF INPUT. SIMULATION COMPLETE.
 9 165438 0 RESTART WRITTEN. LIFT 552 AND PRESS START TO CONTINUE.
 9 165439 0 1067 LINES OUTPUT.
 9 165440 0 51000
 9 165440 0 51000

9 165440 0 PERIPHERAL FILE POSITIONS, AT END OF JOB
 9 165440 0 SYSPP1 REC. 00001, FILE 00000
 9 165440 0 SYS001 REC. 01830, FILE 00000
 9 165440 0 SYS001 REC. 00001, FILE 00003
 9 165440 0 END OF JOB

Best Available Copy

10300 VERSION 2 HAS CONTROL

UN01	UN01	UN01C000
UN02	UN02	UN02C000
UN03	UN03	UN03C000
UN04	UN04	UN04C000
UN05	UN05	UN05C000
UN06	UN06	UN06C000
UN07	UN07	UN07C000
UN08	UN08	UN08C000
UN09	UN09	UN09C000
UN10	UN10	UN10C000
UN11	UN11	UN11C000
UN12	UN12	UN12C000
UN13	UN13	UN13C000
UN14	UN14	UN14C000
UN15	UN15	UN15C000
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PAGE 1

OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

ORIGIN	ORIGIN	IS LINK	1, PARENT LINK IS	0
ORIGIN	ORIGIN	IS LINK	2, PARENT LINK IS	0
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ORIGIN	ORIGIN	IS LINK	5, PARENT LINK IS	4
ORIGIN	ORIGIN	IS LINK	6, PARENT LINK IS	5

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MAPPER MAP

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NETA2 32414	NETAS2 34153				
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WRNET1 25740	WRNET 26067				
GPRT1 26117	GPRT 26441				
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6 DUMMY2 72460	DUMMY2 (72460)				
NETCH 72500	NETCHG 73746				

I/O BUFFERS

74060 THRU 77763

UNUSED CORE
CONTROL CARD

77764 THRU 77777

READOP= 2

NUMIN= 36

NAME= 74

FILE= 000000

S= 7

READY CONTROL CARD

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READOP= 2

NUMIN= 36

3 BIAS CHANGES

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11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3716841	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.087495
36. 1	1.2206304	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
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56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7440573	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.74999991

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SUM NC. 1 IS	0.92575								
SUM NC. 2 IS	0.								

*** 175 INPUT M1 IDENTIFICATION CORRECT
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6 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.57104719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6515853	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6256498	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4281410
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5025675
31. 1	0.1252930	32. 1	0.5444663	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5873356	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3672047	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4287453	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5139492	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL MS = C.01000000 BIAS = -0.35259332

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.00000								

*** 176 INPUT V1 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949681	20. 1	0.
21. 1	0.	22. 1	0.8763533	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9400721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7586175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.9259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8243353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -3.12499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3551476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.35515								
SUM NC. 2 IS	0.								

*** 177 INPUT M2 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.2C000000 BIAS = -1.47642105

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6216056	17. 1	0.	18. 1	0.	19. 1	0.557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6363574	24. 1	0.4945638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6037672	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232892	42. 1	0.5177894	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185710	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325988	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660848	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.03826440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.05079								

*** 178 INPUT V2 INCENTIFICATION CORRECT
 MINPS=000000000000 NCYC5=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.559278
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473849	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236987	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916533	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473603	58. 1	0.4931071	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256706
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246919	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.02469								
SUM NC. 2 IS	0.								

*** 179 INPUT H3 INCENTIFICATION CORRECT
 MINPS=000000000000 NCYC5=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2551261	4. 1	0.6524774	5. 1	0.
6. 1	0.4987153	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7816653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265058	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1629661	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7777945
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6855416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.09831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.09832								

*** 180 INPUT V3 INCENTIFICATION CORRECT
 MINPS=000000000000 NCYC5=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.49549717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.6610711	10. 1	0.603957
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.5090115	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5838415	29. 1	0.	30. 1	0.
31. 1	0.3395671	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.8916459	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3155336	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.8980450
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9044387	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.90444								
SUM NC. 2 IS	0.								

*** 181 INPUT H4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYES=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.53080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4391701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.677315P
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6490812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.6732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

8 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.94704								

*** 182 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYES=000000000000 INDICT=000000000000

9 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.17962439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2579659	3. 1	0.2348576	4. 1	0.	5. 1	0.
6. 1	0.6682307	7. 1	0.	8. 1	0.2909451	9. 1	0.1437645	10. 1	0.1804670
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1371876	18. 1	0.0596554	19. 1	0.	20. 1	0.1242177
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0057000	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.0001557
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060296	44. 1	0.	45. 1	0.1103700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0000003
51. 1	0.	52. 1	0.	53. 1	0.0951514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1503333	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114504	67. 1	0.2028847	68. 1	0.	69. 1	0.02413419	70. 1	0.0471636
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

10 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.92942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.00000								
SUM NC. 2 IS	0.								

*** 183 INPUT H IDENTIFICATION CORRECT
 MINPS=000000000000 NCYES=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.2C00CC00 BIAS = -1.3573758

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342537	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424759	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6424106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7672440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340951	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.0100CC00 BIAS = -2.06385168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661580	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.36616								

*** 184 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.2C00CC00 BIAS = -0.97900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445798	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = C.0100CC00 BIAS = -2.74999591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9397683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.93977								
SUM NC. 2 IS	0.								

*** 185 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = C.2C00CC00 BIAS = -1.32698483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0988603	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5964770	13. 1	0.	14. 1	0.850060	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4727919
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3755503	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1224233	37. 1	0.2724626	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5175519	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6014473
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5462052	63. 1	0.3712490	64. 1	0.	65. 1	0.773777
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

8 BIAS CHANGES

LEVEL 2 MS = C.0100CC00 BIAS = -2.02549051

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9461377	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.34694								

*** 186 INPUT V7 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.99549717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
11. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
16. 1	0.	17. 1	0.5090115	23. 1	0.	29. 1	0.	35. 1	0.
21. 1	0.	22. 1	0.	28. 1	0.5838415	34. 1	0.	40. 1	0.
26. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
31. 1	0.3395671	37. 1	0.	38. 1	0.	44. 1	0.	50. 1	0.
36. 1	0.	42. 1	0.	43. 1	0.	49. 1	0.	55. 1	0.
41. 1	0.	47. 1	0.	48. 1	0.	54. 1	0.	60. 1	0.
46. 1	0.	52. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
51. 1	0.3155336	57. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.8980450
56. 1	0.	62. 1	0.	63. 1	0.	69. 1	0.	75. 1	0.
61. 1	0.	67. 1	0.	68. 1	0.	74. 1	0.	79. 1	0.
66. 1	0.	72. 1	0.	73. 1	0.	78. 1	0.	83. 1	0.
71. 1	0.								

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9044387	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC. 1 IS	0.90444								
SUM NC. 2 IS	0.								

*** 187 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDIC=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.32698483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.0988608	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
11. 1	0.	12. 1	0.5864790	18. 1	0.	24. 1	0.	30. 1	0.
16. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
21. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.	40. 1	0.
26. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
31. 1	0.3755503	37. 1	0.	38. 1	0.	44. 1	0.	50. 1	0.
36. 1	0.1224253	42. 1	0.	43. 1	0.	49. 1	0.	55. 1	0.
41. 1	0.	47. 1	0.	48. 1	0.	54. 1	0.	60. 1	0.
46. 1	0.	52. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.8073775
51. 1	0.	57. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
56. 1	0.	62. 1	0.5482052	63. 1	0.3712490	69. 1	0.	75. 1	0.
61. 1	0.	67. 1	0.	68. 1	0.	74. 1	0.	79. 1	0.
66. 1	0.	72. 1	0.	73. 1	0.	78. 1	0.	83. 1	0.
71. 1	0.								

8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.02549091

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9869377	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.98694								

*** 188 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDIC=000000000000

9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57104719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
11. 1	0.6256488	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
16. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
21. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.	40. 1	0.
26. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
31. 1	0.1252970	37. 1	0.	38. 1	0.	44. 1	0.	50. 1	0.
36. 1	0.	42. 1	0.	43. 1	0.5873556	49. 1	0.	55. 1	0.
41. 1	0.	47. 1	0.	48. 1	0.	54. 1	0.	60. 1	0.
46. 1	0.	52. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
51. 1	0.	57. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
56. 1	0.	62. 1	0.	63. 1	0.	69. 1	0.	75. 1	0.
61. 1	0.5139492	67. 1	0.	68. 1	0.	74. 1	0.	79. 1	0.
66. 1	0.	72. 1	0.	73. 1	0.	78. 1	0.	83. 1	0.
71. 1	0.								

10 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.35257312

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.00000								

*** 189 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDIC=000000000000

5 BIAS CHANGES

LEVEL 1		MS =	C.2C0000C0		BIAS =	-0.37900976			
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2C06025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445796	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS =		C.010000C0		BIAS = -2.74999591							
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9397683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.93977									
SUM NC.	2 IS	0.									

*** 190 INPUT M6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1		MS = 0.2C0000C0		BIAS = -1.53080678					
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4331701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6773158
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6896812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.7732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2		MS =	C.010000C0		BIAS =		-2.99999991	
COMP.	OUTPUT		COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.		2. 2	0.9470363	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.						
SUM NC.	2 IS	0.94704						

*** 191 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1		MS =	0.2C000C0C		BIAS =	-1.17146730			
COMP.	OUTPUT		COMP.	OUTPUT		COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.		2. 1	0.		3. 1	0.	4. 1	0.
6. 1	0.		7. 1	0.		8. 1	0.	9. 1	0.
11. 1	0.		12. 1	0.		13. 1	0.	14. 1	0.
16. 1	0.		17. 1	0.		18. 1	0.	19. 1	0.4949681
21. 1	0.		22. 1	0.8763535		23. 1	0.	24. 1	0.
26. 1	0.		27. 1	0.		28. 1	0.	29. 1	0.
31. 1	0.		32. 1	0.9800721		33. 1	0.	34. 1	0.
36. 1	0.1510256		37. 1	0.		38. 1	0.7586175	39. 1	0.
41. 1	0.		42. 1	0.		43. 1	0.	44. 1	0.
46. 1	0.		47. 1	0.		48. 1	0.	49. 1	0.
51. 1	0.		52. 1	0.		53. 1	0.	54. 1	0.
56. 1	0.		57. 1	0.		58. 1	0.	59. 1	0.
61. 1	0.		62. 1	0.		63. 1	0.	64. 1	0.9254743
66. 1	0.		67. 1	0.		68. 1	0.8283353	69. 1	0.
71. 1	0.		72. 1	0.		0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL	2	MS =	0.010000C0	BIAS =	-3.12499991				
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9851476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. - 1 IS	0.98515								
SUM NC. - 2 IS	0.								

*** 192 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 PIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.71220571

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	4. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3316941	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	1.2208304	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7440573	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 PIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.74239991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9257502	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUP NC. 1 IS	0.92575								
SUP NC. 2 IS	0.								

*** 193 INPUT M1 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 PIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.35737558

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342539	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424259	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6424106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7692440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340951	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 PIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.06285168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661560	0. 0	0.	0. 0	0.	0. 0	0.
SUP NC. 1 IS	0.								
SUP NC. 2 IS	0.96616								

*** 194 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 PIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.47648905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6216056	17. 1	0.	18. 1	0.	19. 1	0.0557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6363574	24. 1	0.4345638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6039872	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232832	42. 1	0.5177834	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185910	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325888	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660448	0. 0	0.	0. 0	0.	0. 0	0.

4 PIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.03986440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.
SUP NC. 1 IS	0.								
SUP NC. 2 IS	1.05079								

*** 195 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.34731395

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531201	4. 1	0.6574796	5. 1	0.
6. 1	0.4584159	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7915653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265254	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1628661	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.777885
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242535	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6055416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.09832

*** 196 INPUT V3 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3599279
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473849	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236987	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916533	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473603	58. 1	0.4931021	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256766
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246918	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.02469
SUM NC. 2 IS 0.

*** 197 INPUT H3 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17862439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2579659	3. 1	0.2348536	4. 1	0.	5. 1	0.
6. 1	0.6692307	7. 1	0.	8. 1	0.2809451	9. 1	0.1437645	10. 1	0.1804692
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1971876	18. 1	0.0596554	19. 1	0.	20. 1	0.1242127
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1557086	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.2501552
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.1245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.060296	44. 1	0.	45. 1	0.1193700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0559063
51. 1	0.	52. 1	0.	53. 1	0.0951514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1803353	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114508	67. 1	0.2626849	68. 1	0.	69. 1	0.2413419	70. 1	0.0471633
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.32942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 1.00000
SUM NC. 2 IS 0.

*** 198 INPUT H5 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 PS = C.2C000000 BIAS = -1.57204720

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6515453	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6256489	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4281417
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5625575
31. 1	0.1252920	32. 1	0.5446603	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5973556	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2652047	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4287453	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5139432	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 PS = C.01000000 BIAS = -0.35259332

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.000000								

*** 199 INPLT V1 IDENTIFICATION CORRECT
MINPS=000000000000 NCYES=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 PS = C.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531261	4. 1	0.6524796	5. 1	0.
6. 1	0.4584159	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7916653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.4265059	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1628561	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7777365
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.4242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6655416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 PS = C.01000000 BIAS = -0.30831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.09832								

*** 200 INPLT V3 IDENTIFICATION CORRECT
MINPS=000000000000 NCYES=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 PS = C.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949681	20. 1	0.
21. 1	0.	22. 1	0.8763535	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9800721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7536175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.7259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.243353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 PS = C.01000000 BIAS = -3.12499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9851476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.98515								
SUM NC. 2 IS	0.								

*** 201 INPLT H2 IDENTIFICATION CORRECT
MINPS=000000000000 NCYES=000000000000 INDICT=000000000000

[illegible]

LEVEL	PS	COMP	OUTPUT	COMP	OUTPUT	COMP	OUTPUT
1. 2	C.	2. 2	C.	3. 2	C.	4. 2	C.
1. 15	C.	2. 15	C.	3. 15	C.	4. 15	C.
2. 15	C.	2. 2	C.	3. 2	C.	4. 2	C.

*** 202 INPT V6 IDENTIFICATION CONNECT
RINPS=060000000000 RCVS=090000000000 INCT=070000000000

LEVEL	:	PR	C.26000000	0145	-0.39549717
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	C.579011>	18. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.
31. 1	C.3395071	32. 1	0.	33. 1	0.
36. 1	0.	37. 1	C.9910459	38. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	C.3155335	57. 1	0.	58. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.

LEVEL		MS =	C.CICCCCCC		MAS =		-2.7433931	
COM.		OUTPUT	COMP.		OUTPUT		COMP.	
1. 2		0.9244387	2. 2		C.		C.	
SUM AC. 1 IS		0.92444						
SUM AC. 2 IS		C.						

```

*** 203      INPUT =4      IDENTIFICATION 204001
NINPS=000000000000      NCYLS=000000000000      INDICT=000000000000

```

LEVEL	1	5	C.2C0C0C0C	MIAS	-0.4226521
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3.	0.
6. 1	0.	7. 1	0.	8.	0.
11. 1	0.	12. 1	0.	13.	0.
16. 1	0.	17. 1	0.	18. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.
26. 1	0.	27. 1	1.3216941	24. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.
36. 1	1.2278304	37. 1	0.	38. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.
66. 1	0.7440573	67. 1	0.	68. 1	0.
71. 1	0.	72. 1	0.	69. 1	0.

LEVEL		2	MS =	C.01000000	RIAS =	-2.74999991
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	
SUM NC.	1. 2	0.9237502	2. 2	0.	0.	0.
SUM NC.	1 15	0.92375				
SUM NC.	2 15	0.				

```

*** ZC4      INPUT #5      IDENTIFICATION CORRECT
#INPS=000000000000      NCYCS=000000000000      J2ICI=000000000000

```


5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445734	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4377683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.93377								
SUM NC. 2 IS	0.								

*** 205 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4391701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0773153
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.696812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.673262	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.39999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.34704								

*** 206 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35737558

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342536	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424254	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.644106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7692440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340351	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.0638168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661580	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.96616								

*** 207 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47641905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6216055	17. 1	0.	18. 1	0.	19. 1	0.0557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6353574	24. 1	0.4945638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0039372	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232832	42. 1	0.5177874	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185910	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325885	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660946	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03886440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.05079								

*** 2C8 INPLT V2 IDENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17862439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2573659	3. 1	0.2348596	4. 1	0.	5. 1	0.
6. 1	0.6642307	7. 1	0.	8. 1	0.2809451	9. 1	0.1437645	10. 1	0.1804032
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1971876	18. 1	0.0596554	19. 1	0.	20. 1	0.242127
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1557086	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.2501552
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060236	44. 1	0.	45. 1	0.1193700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0559063
51. 1	0.	52. 1	0.	53. 1	0.0851514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1803553	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114508	67. 1	0.2628349	68. 1	0.	69. 1	0.2413419	70. 1	0.0471636
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.92942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.00000								
SUM NC. 2 IS	0.								

*** 2C9 INPLT M5 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.599278
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0659796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473847	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.923639	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3716	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1475003	58. 1	0.4931021	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256766
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246918	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC.	1 IS								
SUM NC.	2 IS								

*** 210 INPUT M3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYC9=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.43249859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3050635	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2080116	13. 1	0.	14. 1	0.2390793	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0414639
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0572440
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2601243
31. 1	0.8780247	32. 1	0.0547679	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1884186	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5756022	44. 1	0.0930169	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4375194	55. 1	0.1393166
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.3194349	62. 1	0.6548767	63. 1	0.	64. 1	0.	65. 1	0.329936
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.76293433

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0817013	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC.	1 IS								
SUM NC.	2 IS								

*** 211 INPUT VL 1 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYC9=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.76236363

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.2219988	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.1856527	12. 1	0.	13. 1	0.3552541	14. 1	0.	15. 1	0.
16. 1	0.3936562	17. 1	0.	18. 1	0.	19. 1	0.2532777	20. 1	0.0506133
21. 1	0.	22. 1	0.	23. 1	0.1867040	24. 1	0.0325403	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.1744899
31. 1	0.	32. 1	0.3076047	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.3871626	42. 1	0.2524542	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6703501	48. 1	0.	49. 1	0.4037300	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1191306	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0810568	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.3857848	73. 1	0.	74. 1	0.	75. 1	0.

2 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = 0.84913987

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC.	1 IS								
SUM NC.	2 IS								

*** 212 INPUT VL 7 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYC9=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.71191591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.3799558	5. 1	0.
6. 1	0.0074963	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3360054
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.1281925	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.4352667	24. 1	0.4745322	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.7707698	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.1116250
41. 1	0.2305164	42. 1	0.2769022	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0629092	48. 1	0.6781086	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0499347	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.7902039	60. 1	0.4549166
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1092234	73. 1	0.	74. 1	0.	75. 1	0.

5 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.25714128

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9507047	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	0.95070							

*** 213 INPUT VL 13 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.72256105

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.7961172	4. 1	0.0165631	5. 1	0.1017264
6. 1	0.2734162	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4504716
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0624330
16. 1	0.	17. 1	0.	18. 1	0.5948559	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1811075	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0813018	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.4715677
46. 1	0.4798480	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4780446	52. 1	0.5301555	53. 1	0.3649814	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2481207	70. 1	0.1320917
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.63053045

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	1.00000							

*** 214 INPUT VL 19 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.31303000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6414149
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2642612	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2656238	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.3903382	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.2656719
46. 1	0.1366613	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6313337
51. 1	0.3139764	52. 1	0.2357465	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.5202575	67. 1	1.0573706	68. 1	0.	69. 1	0.4502560	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0434419	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	1.09344							

*** 215 INPUT VL 25 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.51134555

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	1.0178206	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3573583	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2070012	13. 1	0.0463749	14. 1	0.1960589	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1319856	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2195516
26. 1	0.0511964	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1897841	35. 1	0.
36. 1	0.	37. 1	0.2477297	38. 1	0.	39. 1	0.2132533	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2258436	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1448356
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.3598727
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.7267236	64. 1	0.6428660	65. 1	0.2557398
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

[illegible]

4. 10. 1951, 10. 11. 51

LEVEL 1		MS = 24000000		FIAS		-2405150771			
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.4517024	7. 1	0.	5. 1	0.	6. 1	0.	7. 1	0.
11. 1	0.	15. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.7115714	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4307014	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2109034	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

[illegible]

000 217 INPUT VOL-14 IDENTIFICATION NUMBER
NINPS=CCCCCCCCC *CVCS=COCOCOCOCOCOC INLET=00000000

5 P149 CHANGES

LEVEL 1		MS *		CCCCCCCC		HHS *		-0.37746726	
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5273072	12. 1	0.	13. 1	0.493271	14. 1	0.	15. 1	0.0665446
16. 1	0.2560245	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.2095422
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.062334	33. 1	0.	34. 1	0.1728631	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.4342190	47. 1	0.7396734	48. 1	0.	49. 1	0.511326	50. 1	0.713652
51. 1	0.005194	52. 1	0.454777	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1342265	57. 1	0.2961036	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0661243	65. 1	0.
66. 1	0.	67. 1	0.3164753	68. 1	0.	69. 1	0.077369	70. 1	0.
71. 1	0.1278077	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

2 PIAS CHANGES

```

LEVEL 2  AS = 7.0000000  HIAS = 0.67537531
COMP.  OUTPUT  COMP.  OUTPUT  COMP.  OUTPUT  COMP.  OUTPUT  COMP.  OUTPUT
1. 2  0. 2
SUM NC. 1 15 0.
SUM NC. 2 15 1.00000

```

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*** 218 INPUT VI 7-75 IDENTIFICATION CORRECT
MINPS=000000000000 NGVCS=000000000000 INDI 1=000000000000
```

4 HISS 71 645

LEVEL	MS	00000000	MS	00000000	LEVEL	MS	00000000	MS	00000000
COMP.	INPUT	COMP.	OUTPUT	COMP.	INPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0	2. 1	0	3. 1	0	4. 1	0	5. 1	0
6. 1	0	7. 1	0	8. 1	0	9. 1	0	10. 1	0
11. 1	0	12. 1	0	13. 1	0	14. 1	0	15. 1	0
16. 1	0	17. 1	0	18. 1	0	19. 1	0	20. 1	0
21. 1	0	22. 1	0	23. 1	0	24. 1	0	25. 1	0
26. 1	0	27. 1	0	28. 1	0	29. 1	0	30. 1	0
31. 1	0	32. 1	0	33. 1	0	34. 1	0	35. 1	0
36. 1	0	37. 1	0	38. 1	0	39. 1	0	40. 1	0
41. 1	0	42. 1	0	43. 1	0	44. 1	0	45. 1	0
46. 1	0	47. 1	0	48. 1	0	49. 1	0	50. 1	0
51. 1	0	52. 1	0	53. 1	0	54. 1	0	55. 1	0
56. 1	0	57. 1	0	58. 1	0	59. 1	0	60. 1	0
61. 1	0	62. 1	0	63. 1	0	64. 1	0	65. 1	0
66. 1	0	67. 1	0	68. 1	0	69. 1	0	70. 1	0
71. 1	0	72. 1	0	73. 1	0	74. 1	0	75. 1	0

[illegible]

*** 219 ***

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37996345

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.5772338
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.6379477	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.6506270	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4302557	33. 1	0.	34. 1	0.	35. 1	0.1518250
36. 1	0.7978107	37. 1	0.	38. 1	0.0643307	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1025680	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0436379	64. 1	1.1252791	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.4680491	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.39999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9845240	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.98452								
SUM NC. 2 IS	0.								

*** 220 INPUT HL 2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54213248

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1078246	20. 1	0.
21. 1	0.6138025	22. 1	1.0021327	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.6218961	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.8431067	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7463893	58. 1	0.1198085	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.4577689	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0583368	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.05834								
SUM NC. 2 IS	0.								

*** 221 INPUT HL 3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54347049

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.5405315	10. 1	0.3657787
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.4258749	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.5141757	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9843464	29. 1	0.	30. 1	0.
31. 1	0.2694005	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3181682	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2270145	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.3542850	58. 1	0.4664422	59. 1	0.227269	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4497262
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0096029	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.00980								
SUM NC. 2 IS	0.								

*** 222 INPUT HL 4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17031884

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0002910	3. 1	0.1659021	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.4071825	10. 1	0.5006926
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0440274	15. 1	0.5895399
16. 1	0.1773142	17. 1	0.3216051	18. 1	0.0126937	19. 1	0.	20. 1	0.0235358
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0607091	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2272556	30. 1	0.0734020
31. 1	0.3126329	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.7920135	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1072863	47. 1	0.	48. 1	0.	49. 1	0.1265823	50. 1	0.
51. 1	0.2849252	52. 1	0.2513660	53. 1	0.0138897	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.0388265	68. 1	0.	69. 1	0.3998899	70. 1	0.7266371
71. 1	0.	72. 1	0.1113536	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.88965291

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	1.00000								
SUM NC. 2 15	0.								

*** 223 INPUT HL 5 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.22926711

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0817747	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.0954331	7. 1	0.	8. 1	0.8980173	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0538785	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0360485	25. 1	0.0778873
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0287364
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0319449	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.9341314	43. 1	0.0439877	44. 1	0.	45. 1	0.2803791
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4527160
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1695290	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.6484644	67. 1	0.0200372	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.67959800

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9726555	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	0.97266								
SUM NC. 2 15	0.								

*** 224 INPUT HL 6 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.35390979

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1701413
6. 1	0.	7. 1	0.2485159	8. 1	0.0695006	9. 1	0.27164344	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1344462	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.3226643	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0272550	27. 1	0.6774977	28. 1	0.1644213	29. 1	0.	30. 1	0.
31. 1	0.5387843	32. 1	0.	33. 1	0.	34. 1	0.1172507	35. 1	0.5390995
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.4554430	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.3133196	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2543865	52. 1	0.	53. 1	0.0335648	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.4024778	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0650727	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2181649	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0147142	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.34303324

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0006047	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	1.00060								
SUM NC. 2 15	0.								

*** 225 INPUT HL 1-4 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.7493741

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2270757	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.1712821	7. 1	0.	8. 1	0.1553390	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.2089134	19. 1	0.	20. 1	0.
21. 1	0.1521496	22. 1	0.3375049	23. 1	0.	24. 1	0.3354373	25. 1	0.206147
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4251041	33. 1	0.0211710	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2732116	39. 1	0.	40. 1	0.
41. 1	0.0663018	42. 1	0.3034183	43. 1	0.	44. 1	0.	45. 1	0.797501
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.3105047
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.0170517
56. 1	0.	57. 1	0.5949103	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.1034347	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.3443391	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 1 MS = 0.01000000 BIAS = -1.00699271

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9964733	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	0.99648								
SUM NC. 2 15	0.								

*** 226 INPUT HL 3-6 IDENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.06944443

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0694443	2. 1	0.0694444	3. 1	0.0694444	4. 1	0.0694440	5. 1	0.0694444
6. 1	0.0694444	7. 1	0.0694444	8. 1	0.0694447	9. 1	0.0694442	10. 1	0.0694444
11. 1	0.0694444	12. 1	0.0694444	13. 1	0.0694446	14. 1	0.0694446	15. 1	0.0694444
16. 1	0.0694444	17. 1	0.0694444	18. 1	0.0694447	19. 1	0.0694224	20. 1	0.0694444
21. 1	0.0694440	22. 1	0.0694444	23. 1	0.0694446	24. 1	0.0694444	25. 1	0.0694444
26. 1	0.0694446	27. 1	0.0694442	28. 1	0.0694444	29. 1	0.0694444	30. 1	0.0694447
31. 1	0.0694442	32. 1	0.0694449	33. 1	0.0694440	34. 1	0.0694442	35. 1	0.0694447
36. 1	0.0694442	37. 1	0.0694538	38. 1	0.0694447	39. 1	0.0694442	40. 1	0.0694444
41. 1	0.0694446	42. 1	0.0694451	43. 1	0.0694449	44. 1	0.0694444	45. 1	0.0694447
46. 1	0.0694461	47. 1	0.0694444	48. 1	0.0694442	49. 1	0.0694442	50. 1	0.0694451
51. 1	0.0694451	52. 1	0.0694453	53. 1	0.0694444	54. 1	0.0694451	55. 1	0.0694446
56. 1	0.0694470	57. 1	0.0694446	58. 1	0.0694440	59. 1	0.0694447	60. 1	0.0694444
61. 1	0.0694444	62. 1	0.0694447	63. 1	0.0694440	64. 1	0.0694442	65. 1	0.0694444
66. 1	0.0694393	67. 1	0.0694336	68. 1	0.0694444	69. 1	0.0694451	70. 1	0.0694442
71. 1	0.0694442	72. 1	0.0694442	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.47999064

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4799972	2. 2	0.5000028	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	0.50000								
SUM NC. 2 15	0.50000								

*** 227 INPUT ZERO IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.06943481

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0694898	2. 1	0.0694215	3. 1	0.0694077	4. 1	0.0694236	5. 1	0.0694230
6. 1	0.0694352	7. 1	0.0694475	8. 1	0.0694443	9. 1	0.0694442	10. 1	0.0694347
11. 1	0.0694513	12. 1	0.0694548	13. 1	0.0694415	14. 1	0.0694474	15. 1	0.0694367
16. 1	0.0695062	17. 1	0.0694477	18. 1	0.0694620	19. 1	0.0694045	20. 1	0.0694336
21. 1	0.0694309	22. 1	0.0694147	23. 1	0.0694152	24. 1	0.0694579	25. 1	0.0694436
26. 1	0.0694371	27. 1	0.0694536	28. 1	0.0694295	29. 1	0.0694598	30. 1	0.0694401
31. 1	0.0694320	32. 1	0.0694626	33. 1	0.0694162	34. 1	0.0694409	35. 1	0.0694395
36. 1	0.0694371	37. 1	0.0694492	38. 1	0.0694635	39. 1	0.0694476	40. 1	0.0694547
41. 1	0.0694544	42. 1	0.0694421	43. 1	0.0694428	44. 1	0.0694187	45. 1	0.0694261
46. 1	0.0694217	47. 1	0.0694333	48. 1	0.0694300	49. 1	0.0694548	50. 1	0.0694526
51. 1	0.0694432	52. 1	0.0694322	53. 1	0.0694325	54. 1	0.0694333	55. 1	0.0694167
56. 1	0.0694511	57. 1	0.0694361	58. 1	0.0694616	59. 1	0.0694443	60. 1	0.0694277
61. 1	0.0694433	62. 1	0.0694258	63. 1	0.0694320	64. 1	0.0694091	65. 1	0.0694294
66. 1	0.0694518	67. 1	0.0693991	68. 1	0.0694418	69. 1	0.0694183	70. 1	0.0694571
71. 1	0.0694475	72. 1	0.0694406	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.50000000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4999400	2. 2	0.4999599	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	0.49994								
SUM NC. 2 15	0.49999								

*** 228 INPUT ALL IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

END OF INPUT. SIMULATION COMPLETE.

MAIN TEST IS DONE.

[illegible]

9 164519 0 SJOB 777 0,10,10000 65-424,FLAUGHER J.C.,PMHAP

90 UNIT	R1	PU	PR	A1	A2	A3	A4	A5	A6	A7	A8	A9	A0	B1	B2	B3	B4	B5	B6	B7
FUNCTION	CK1	PLM	PRT	LO1	IN1	LO1	PPI	CK1						UT1	UT2	UT3	UT4	CK2		
SYMBOLIC									A(9)	A(8)	A(7)	A(4)								
40 LOGICAL	32	33	34	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

90 UNIT	R1	PU	PR	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6
FUNCTION															
SYMBOLIC															
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

9 164519 0 \$SETUP A(1) 276,DISK
 9 164519 0 \$SETUP A(1) DISK,918
 9 164519 0 \$SETUP A(1) 1067,DISK
 9 164519 0 \$SETUP A(4) DISK,1106
 9 164519 0 \$SETUP 00000,77777,6,DUMP
 9 164519 0 \$EXECUTE INJOB
 9 164557 0 FILES READY FOR USE.....
 9 164557 0 SYSUNI FILE NAME UNIT

9 164557 0	UNIT01	A0
9 164557 0	UNIT01	B6
9 164557 0	UNIT04	A9
9 164557 0	UNIT05	A7
9 164557 0	UNIT03	A6
9 164557 0	UNIT10	A8
9 164557 0	UNIT11	A6
9 164557 0	UNIT12	A7
9 164557 0	FILE2	A9

9 164612 0 EXECUTION
 9 164614 0 INPUT CONVERTED
 9 164738 0 UNIT 47 FILE2 PERMIVE REEL 0001

9 164738 0 END OF INPUT SIMULATION COMPLETE.
 9 164738 0 RESTART WITHOUT, LEFT SS2 AND PRFS5 START TO CONTINUE.
 9 164740 0 2165 LINES OUTPUT.
 9 164741 0 \$IBSYS
 9 164741 0 \$STOP

9 164741 0 PERIPHERAL FILE POSITIONS AT END OF JOB
 9 164741 0 SYSPPI REC. 00001, FILE 00000
 9 164741 0 SYSQHI REC. 02028, FILE 00000
 9 164741 0 SYSIHI REC. 00001, FILE 00003

9 164741 0 END OF JOB
 9 164744 0 SYSTEMS CORE DUMP TAKEN AT THIS POINT

INJOB VERSION 5 HAS CONTROL.
 MAP

STRLOC UN01	UN010000
STRLOC UN03	UN030000
STRLOC UN04	UN040000
STRLOC UN08	UN080000
STRLOC UN09	UN090000
STRLOC UN10	UN100000
STRLOC UN11	UN110000
STRLOC UN12	UN120000
STRLOC MAP1	MAP10000
STRLOC RECC1	RECC0000
STRLOC RECC2	RECC0000
STRLOC RECC3	RECC0000
STRLOC RECC4	RECC0000
STRLOC RECC5	RECC0000
STRLOC RECC6	RECC0000
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STRLOC RECC295	RECC0000
STRLOC RECC296	RECC0000
STRLOC RECC297	RECC0000

OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

SORIGIN	BEGINX	IS LINK	1, PARENT LINK IS	0
SORIGIN	BEGINX	IS LINK	2, PARENT LINK IS	0
SORIGIN	BEGINX	IS LINK	3, PARENT LINK IS	0
SORIGIN	BEGINX	IS LINK	4, PARENT LINK IS	0
SORIGIN	BETAX,12208	IS LINK	5, PARENT LINK IS	4
SORIGIN	GAMPAX,30000	IS LINK	6, PARENT LINK IS	5

* MEMORY MAP *

SYSTEM		00000 THRU 02717
FILE BLOCK ORIGIN		02720
FILES	1. UNIT01	
	2. UNIT03	
	3. UNIT04	
	4. UNIT08	
	5. UNIT09	
	6. UNIT10	
	7. UNIT11	
	8. UNIT12	
	9. FILE2	
	10. UNIT05	
	11. UNIT06	
FILE LIST ORIGIN		03124
PRE-EXECUTION INITIALIZATION		03152
CALL ON OBJECT PROGRAM		03203
OBJECT PROGRAM		03210 THRU 7405

LINK DECK ORIGIN CONTROL SECTIONS (/NAME/=NON 0 LENGTH, (LDC)=DELETED, **NOT REFERENCED)

0 UN01	03210	.UN01.	03210						
UN03	03211	.UN03.	03211						
UN04	03212	.UN04.	03212						
UN08	03213	.UN08.	03213						
UN09	03214	.UN09.	03214						
UN10	03215	.UN10.	03215						
UN11	03216	.UN11.	03216						
UN12	03217	.UN12.	03217						
MAIN	03220	MAIN	(03220)						
RDCC1	03332	RDCC	03546						
BTDF	03631	BTDF	(03631)	BTDF	(03631)				
BPOINT	03710	BPOINT	(03710)						
.LINK	03744	.LDT /	03744	.LRECT /	03753	.LVEC /	03767		
.LXCON	04005	.LXSTR	04005	.LXSTP	04010	.LXDUT	04056	.LXRTN	04070
		.LXCAL	04073	.LXERR	04073	.DBCLS	04255	.LXARG	04417
		.CLSE	04446	.LFBL	04447	.LUNB	04450	.DFCUT	04451
.IDOFF	04455	.DEFIN	04455	.ATTAC	04461	.CLOSE	04463	.OPEN	04465
		.WRITE	04471	.BSR	04501	.READR	04511	.RELES	04513
		.LFBK	04542	.LTSX	04545	.AREAL	04557	.LUNBL	04565
		.GO4	04622	.GO	04626	.DERR	04642	.NOPX1	04643
		.EX34	04667					.COMX1	04645
.LOVRY	04674	.LOVRY	(04674)	.LDT	(03744)	.LRECT	(03753)	.LVEC	(03767)
.LXSL	05253	.LXSEL	05253	.LXCSEL	05254	.LXTST	05257	.LXCVL	05317
		.LXIND	05377	.LXDLS	05402	.LXFLG	05403	.LTCH	05404
.FPTRP	05412	.FFPT.	05412	.FPOUT	05547	.FPARG	05559	.COUNT	05557
.ERAS.	05632	E.1	05632	E.2	05633	E.3	05634	E.4	05635
.XCC.	05636	CC.1	05636	CC.2	05637	CC.3	05640	CC.4	05641
XIT	05642	EXIT	05642	.EXIT.	05642				
FXEM	05643	FXEM	(05643)	.FXEM.	05646	.FXGUT	06206	.FXARG	06214
FOUT	06301	.FOUT.	06301					.OPTW.	06270
FCNV	06643	.FCUN.	06643	.FCNV.	06664	.ENDFS	06671	.CNVSW	06674
		.FOX2	06701	.DRC	06703	.DBC10	07034	.DBC20	07072
		.FIXSW	07105	.DDBC	07143	.DDFLX	07264	.DDRS1	07460
		.D1	07465	.D2	07467	.ANPT	07544	.ONPT	07561
								.LNTF	07637

		.AOUT	07706	.OOUT	07717	.LOUT	07746	.DFLT	07756	.FLT	10273
		.FXFL1	10400	.FXE	10404	.FXFL2	10407	.FXFL3	10413	.INTG	10417
		.TOPAC	10435	.WIDTH	10441	.FPACK	10446	.TEST	10447	.KOWT	10502
		.LIST	10505	.DONE	10513	.CUTBF	11202	.CHAR	11434	.FBDRF	11447
		.DDCFL	11476	.DDFLG	11477	.WURO	11500	.MOD	11501	.PEX	11502
		.FEXP	11503	.DIG	11504	.DEXP	11505				
FIOB	11523	.FIOR.	11523	.FCNT	11624	.FBLT.	11722	.FBCT.	11742	.FRLR.	11766
		.FRLR.	(11766)	.FWLR.	12032	.FWLR.	(12032)	.FBIBF	12072	.FRITF	12166
FIOB	12175	.FIOS.	12175	.FSFL.	12335	.FILR.	12341	.FRIB.	12350	.FRID.	12355
		.FILL.	12360	.FCLS	12362	.FOPN	12366	.REOF	12372	.TOUT.	12535
		.RELD	12543	.BIN	12544	.FCT	12545	.FCKSZ	12547		
FIOH	12631	.FIOH.	12631	.FFIL.	13472	.FRTN.	13520				
FWRD	13672	.FWRD.	13672								
FWRH	13716	.FWRB.	13716								
FRDD	13742	.FRDD.	13742								
FRDH	13770	.FRDH.	13770								
FPRN	14014	.FPRN.	14014								
.UN02.	14152	.UN12.	(14152)								


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UNOS 14153 .UNOS. 14153
UNO6 14154 .UNO6. 14154 .BUFSZ 14155
UNO7. 14160 .UNO7. (14160)
UN13. 14161 .UN13. (14161)
UN14. 14162 .UN14. (14162)
UN15. 14163 .UN15. (14163)
UN16. 14164 .UN16. (14164)
UN17. 14165 .UN17. (14165)
UN18. 14166 .UN18. (14166)
FSQW 14167 SWRT 14167
FBS1 14242 .FBS1. 14242
FEFT 14463 .FEFT. 14463
FRWT 14563 .FRWT. 14563
FSLN1 14662 .FBL1. 14700 .FBD1. 14706 .
FSL1 14720 .SL1. 14725 .SD1. 14733 .SD11. 14741
FSLD0 14757 .FSLU. 14775 .FSD0. 15003 .
FSLB0 15014 .FRLU. 15032 .FBD0. 15040 .
FSL0 15052 .SLU. 15052 .SLD2. 15060 .SDU. 15065 .SDC2. 15077
FV10 15111 .FV1U. 15111
.FOCS 15235 .L101 15235 .MNASW 15255 .TECA 15324 .DEF1. 15404 .JOIRX 15450 .
.CLUS. 15467 .ATTC. 15502 .SM1 15714 .SM9 15756 .OPEN. 15777
.OP4 16025 .OP7 16056 .OP9.2 16077 .RICE. 16136 .RER2. 16136
.READ. 16137 .RER1. 16152 .MUT. 16164 .MUT:A 16352 .EOFER 16433 .
.FEET 16503 .GTIOX 16524 .RWT 16602 .RE7 17261 .ENDTR 17722
.SEL59 17724 .9SA. 20335 .EUTUF 20462 .ETOF3 20466 .SWITC 20515
.TCMEX 21016 .BASIO 21021 .

.IOCSM 21022

1 NETGEN 21022 NETGEN (21022) NETGEN (21022)
ISUMA1 31305 ISUMA 31336
GENXY1 31360 GENXY 32657
PUTRE 32721 PUTREC 32756
CONEC 33004 CONECT 33235
RSF11 33350 RSF11 34220

2 IPIC0 21022 IPTCLM 22524

3 META1 21022 METAS1 32372

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IBLER

12/01/65

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META2 32414 METAS2 34153

4 NETSIP 21022 NETSIM (21022) NETSIM (21022)
READC 24644 READCC 25256
TPCK1 25376 TPCK 25545
RDNET1 25573 RDNET 25712
WRTNF1 25740 WRTNET 26067
GPRT1 26117 GPRT 26441

5 DUMMY1 30000 DUMMY1 (30000)

6 DUMMY2 72460 DUMMY2 (72460)
NETCH 72500 NETCMC 73746

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I/O BUFFERS 74060 THRU 77763

UNUSED CORE 77764 THRU 77777

CONTROL CARD

READOP= 2

NUMIN= 36

NAMES= 60

EYS=000005000020

SM=7

READY CONTROL CARD

00000000004INPL MAX 1 0 01 1 -0 -0 -0 -0 -0 -0 -0 -0

READOP= 2

NUMIN= 36

NAMES= 60

MINPS=000000000000 NCYCS=000000000000 INDICT=000C00000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.08044232

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	G.	4. 1	0.	5. 1	0.
6. 1	C.	7. 1	0.3333501	8. 1	0.4875074	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.4015893	13. 1	0.0208633	14. 1	0.2502513	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0638344
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.1754895
26. 1	C.	27. 1	0.0218149	28. 1	0.	29. 1	0.	30. 1	0.2458469
31. 1	C.1327086	32. 1	0.	33. 1	0.1474593	34. 1	0.0002137	35. 1	0.3907708
36. 1	0.5053556	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0088070	43. 1	0.	44. 1	0.3593034	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0735799
51. 1	C.	52. 1	0.	53. 1	0.	54. 1	0.3016426	55. 1	0.3329556
56. 1	0.	57. 1	C.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.2267457	62. 1	C.7176568	63. 1	0.	64. 1	0.	65. 1	0.1014857
66. 1	C.4649386	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	C.	73. 1	0.	74. 1	0.	75. 1	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.5922070

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2905075	2. 2	0.6272621	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.29051								
SUM NO. 2 15	0.62726								

*** 175 INPUT P1 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.07845935

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2766152
6. 1	0.	7. 1	0.3585547	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3169867	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0089837	20. 1	0.0786079
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2290180
26. 1	0.	27. 1	0.0196443	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.1497540	32. 1	0.3485848	33. 1	0.1814199	34. 1	0.	35. 1	0.
36. 1	0.5179350	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1950213	44. 1	0.3290240	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0062157	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.3545232	55. 1	0.0748130
56. 1	0.0577080	57. 1	0.	58. 1	0.	59. 1	0.1923181	60. 1	0.
61. 1	0.2965910	62. 1	0.2721045	63. 1	0.2098902	64. 1	0.3182543	65. 1	0.3789845
66. 1	0.1919714	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.48436207

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.00000								

*** 176 INPUT P2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1676820	2. 1	0.	3. 1	0.	4. 1	0.0353805	5. 1	0.0395342
6. 1	0.0009945	7. 1	0.1927487	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3970370	12. 1	0.1345330	13. 1	0.0306475	14. 1	0.0402042	15. 1	0.
16. 1	0.	17. 1	0.0325555	18. 1	0.0075360	19. 1	0.0422920	20. 1	0.2151960
21. 1	0.0079753	22. 1	0.0559394	23. 1	0.	24. 1	0.	25. 1	0.0487482
26. 1	0.	27. 1	0.0124537	28. 1	0.0482847	29. 1	0.	30. 1	0.1135738
31. 1	0.2097942	32. 1	0.5741672	33. 1	0.2493844	34. 1	0.	35. 1	0.0450324
36. 1	0.0671886	37. 1	0.0052608	38. 1	0.0374851	39. 1	0.	40. 1	0.
41. 1	0.0707178	42. 1	0.	43. 1	0.3889384	44. 1	0.0358977	45. 1	0.
46. 1	0.	47. 1	0.0072048	48. 1	0.	49. 1	0.3756314	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0555534	54. 1	0.3342110	55. 1	0.3365052
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1250846	62. 1	0.3782814	63. 1	0.0876938	64. 1	0.	65. 1	0.1194843
66. 1	0.	67. 1	0.	68. 1	0.0070361	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0649773	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.06497								

*** 177 INPUT P3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.05116734

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2210876	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3757808	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.2178422	12. 1	0.0408087	13. 1	0.0080232	14. 1	0.3426167	15. 1	0.
16. 1	0.	17. 1	0.0586957	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0843828	29. 1	0.	30. 1	0.0652983
31. 1	0.4289425	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.0058894
36. 1	0.0351793	37. 1	0.0522036	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0290461	42. 1	0.	43. 1	0.2941273	44. 1	0.3059603	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0614751	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2661169	55. 1	0.3245498
56. 1	0.	57. 1	0.	58. 1	0.4758270	59. 1	0.1305175	60. 1	0.
61. 1	0.3114738	62. 1	0.3011461	63. 1	0.1095820	64. 1	0.	65. 1	0.4687771
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.64484833

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. C	C.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	..00000								

*** 178 INPUT P4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01136500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.2201412	2. 1	0.	3. 1	0.0365251	4. 1	0.1005882	5. 1	0.
6. 1	0.	7. 1	0.2167034	8. 1	0.	9. 1	0.0060186	10. 1	0.
11. 1	0.1305842	12. 1	0.0257458	13. 1	0.0485473	14. 1	0.4665451	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0072601	19. 1	0.0037563	20. 1	0.1939778
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0529798
26. 1	0.	27. 1	0.0132539	28. 1	0.	29. 1	0.	30. 1	0.4661755
31. 1	0.4505514	32. 1	0.1539593	33. 1	0.	34. 1	0.0076583	35. 1	0.0402594
36. 1	0.0685923	37. 1	0.4734399	38. 1	0.	39. 1	0.0128480	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.3098053	44. 1	0.0003126	45. 1	0.0110738
46. 1	0.	47. 1	0.0677392	48. 1	0.	49. 1	0.4366270	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0168561	54. 1	0.	55. 1	0.1583936
56. 1	0.	57. 1	0.	58. 1	0.0246108	59. 1	0.	60. 1	0.0775342
61. 1	0.	62. 1	0.1183682	63. 1	0.0304592	64. 1	0.0092115	65. 1	0.0150339
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0422658	72. 1	0.0474654	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.40760504

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4793544	2. 2	0.5206456	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.47935								
SUM NO. 2 IS	0.52065								

*** 179 INPUT P5 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01069500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.0547450	5. 1	0.
6. 1	C.	7. 1	0.1459049	8. 1	0.	9. 1	0.	10. 1	0.0013675
11. 1	0.1282017	12. 1	0.3928392	13. 1	0.0583434	14. 1	0.0714323	15. 1	0.
16. 1	0.0091254	17. 1	0.0724117	18. 1	0.0440022	19. 1	0.0027208	20. 1	0.
21. 1	0.0206460	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3283762
26. 1	0.	27. 1	0.0393907	28. 1	0.	29. 1	0.	30. 1	0.4540114
31. 1	0.2824948	32. 1	0.	33. 1	0.	34. 1	0.0413264	35. 1	0.0804775
36. 1	0.0845570	37. 1	0.1366353	38. 1	0.0294246	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.2940480	44. 1	0.0829022	45. 1	0.
46. 1	0.	47. 1	0.0251542	48. 1	0.1026443	49. 1	0.0055581	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0115517	54. 1	0.	55. 1	0.1090489
56. 1	0.0889909	57. 1	0.	58. 1	0.0692196	59. 1	0.	60. 1	0.0331565
61. 1	0.4107447	62. 1	0.3429891	63. 1	0.1176801	64. 1	0.0270203	65. 1	0.4537373
66. 1	0.	67. 1	0.0115611	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.12229033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.4321921	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	0.43219								

*** 180 INPUT P6 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.19113250	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.4156863	12. 1	0.	13. 1	0.3153994	14. 1	0.	15. 1	0.
16. 1	0.0303679	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1677250
21. 1	0.	22. 1	0.	23. 1	0.0717875	24. 1	0.	25. 1	0.0911699
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.3247805
31. 1	0.	32. 1	0.0955655	33. 1	0.2333006	34. 1	0.0414448	35. 1	0.4301085
36. 1	0.0323088	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4345862	43. 1	0.0121586	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.1976672	48. 1	0.3229434	49. 1	0.2947955	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0066917	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.0323235
61. 1	0.2676084	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1140118	72. 1	0.3127783	0. C	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.12500000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4757774	2. 2	0.5160377	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.47578								
SUM NO. 2 IS	0.51604								

*** 181 INPUT P7 IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.26000000 BIAS = -0.03177479

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.0503761
6. 1	0.	7. 1	0.3674664	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3194061	12. 1	0.0224925	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2656092	17. 1	0.	18. 1	0.	19. 1	0.6092778	20. 1	0.0141916
21. 1	0.	22. 1	0.1664415	23. 1	0.0543534	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0161452
31. 1	0.	32. 1	0.5931783	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4975773	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0528664	43. 1	0.3067189	44. 1	0.0346972	45. 1	0.
46. 1	0.0070129	47. 1	0.3529757	48. 1	0.	49. 1	0.3391232	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0212890	54. 1	0.2545165	55. 1	0.
56. 1	0.0634644	57. 1	0.1157784	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0078439	62. 1	0.0121745	63. 1	0.	64. 1	0.4908419	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0072941	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.52133514

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 182 INPUT P8 IDENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.0780269

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0568534	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3728836	12. 1	0.	13. 1	0.2762107	14. 1	0.	15. 1	0.
16. 1	0.2760267	17. 1	0.	18. 1	0.	19. 1	0.5152497	20. 1	0.0537126
21. 1	0.4788977	22. 1	0.0897269	23. 1	0.2539342	24. 1	0.2174535	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0933529	29. 1	0.	30. 1	0.1926707
31. 1	0.	32. 1	0.4644635	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0106431	39. 1	0.	40. 1	0.
41. 1	0.2012518	42. 1	0.0223304	43. 1	0.1758732	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5143319	58. 1	0.4405428	59. 1	0.	60. 1	0.
61. 1	0.2312409	62. 1	0.	63. 1	0.	64. 1	0.0606584	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1762360	72. 1	0.1865615	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.31532975

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 183 INPUT P9 IDENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01418813

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1344686	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3193014	8. 1	0.	9. 1	0.	10. 1	0.0638386
11. 1	0.0359000	12. 1	0.1042012	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0020661	18. 1	0.	19. 1	0.0906438	20. 1	0.2476017
21. 1	0.5688863	22. 1	0.	23. 1	0.3896149	24. 1	0.0352959	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1013630	29. 1	0.2764679	30. 1	0.2430377
31. 1	0.1303627	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0101602	40. 1	0.0623191
41. 1	0.3070224	42. 1	0.0263355	43. 1	0.0317470	44. 1	0.	45. 1	0.
46. 1	0.0176275	47. 1	0.3227131	48. 1	0.2717501	49. 1	0.0117440	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.3089729	55. 1	0.
56. 1	0.0700446	57. 1	0.4734905	58. 1	0.	59. 1	0.0089342	60. 1	0.0536378
61. 1	0.1010449	62. 1	0.	63. 1	0.	64. 1	0.0048029	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4391337
71. 1	0.0471931	72. 1	0.1164660	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.03562553

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO. 1 IS	1. 2	0.1661590	7. 2	0.7949166	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 2 IS	0.16616									
	0.79492									

*** 184 INPUT P10 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.04057965

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.		2. 1	0.0422056	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.		7. 1	0.0077478	8. 1	0.	9. 1	0.0537164	10. 1	0.
11. 1	0.3670586		12. 1	0.	13. 1	0.2725553	14. 1	0.	15. 1	0.0153148
16. 1	0.4258984		17. 1	0.0532933	18. 1	0.0835448	19. 1	0.0337137	20. 1	0.3099904
21. 1	0.		22. 1	0.0548117	23. 1	0.1254021	24. 1	0.3708003	25. 1	0.
26. 1	0.0120056		27. 1	0.0045567	28. 1	0.0265609	29. 1	0.4366512	30. 1	0.0315865
31. 1	0.		32. 1	0.0764505	33. 1	0.	34. 1	0.0175516	35. 1	0.
36. 1	0.		37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.1399300
41. 1	0.3266486		42. 1	0.0224686	43. 1	0.0073234	44. 1	0.	45. 1	0.
46. 1	0.0089206		47. 1	0.4430697	48. 1	0.	49. 1	0.1157689	50. 1	0.
51. 1	0.0121267		52. 1	0.0011173	53. 1	0.0555500	54. 1	0.	55. 1	0.
56. 1	0.0400342		57. 1	0.0294007	58. 1	0.	59. 1	0.0475724	60. 1	0.0575249
61. 1	0.0055439		62. 1	0.0304404	63. 1	0.	64. 1	0.0128209	65. 1	0.
66. 1	0.		67. 1	0.	68. 1	0.0123756	69. 1	0.	70. 1	0.5507514
71. 1	0.1389021		72. 1	0.4015356	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.91523375

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO. 1 IS	1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 2 IS	0.									
	1.00000									

*** 185 INPUT P11 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1929049		2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.3119065		7. 1	0.2912695	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3340922		12. 1	0.	13. 1	0.0995388	14. 1	0.	15. 1	0.
16. 1	0.3181178		17. 1	0.	18. 1	0.0029720	19. 1	0.	20. 1	0.2655009
21. 1	0.		22. 1	0.	23. 1	0.0109646	24. 1	0.2754310	25. 1	0.0576485
26. 1	0.0571118		27. 1	0.	28. 1	0.	29. 1	0.0656511	30. 1	0.0310435
31. 1	0.		32. 1	0.1012591	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.		37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2169019		42. 1	0.4776081	43. 1	0.0094791	44. 1	0.	45. 1	0.
46. 1	0.		47. 1	0.0727908	48. 1	0.	49. 1	0.3641346	50. 1	0.
51. 1	0.		52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0032171		57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2993459		62. 1	0.	63. 1	0.	64. 1	0.0104319	65. 1	0.
66. 1	0.2213845		67. 1	0.	68. 1	0.0023715	69. 1	0.	70. 1	0.0637824
71. 1	0.2224175		72. 1	0.3512702	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.79928857

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO. 1 IS	1. 2	0.4799681	2. 2	0.5737432	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 2 IS	0.47997									
	0.57374									

*** 186 INPUT P12 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2099175		2. 1	0.0167866	3. 1	0.	4. 1	0.1585976	5. 1	0.0079855
6. 1	0.3516213		7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.		12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0095063
16. 1	0.0724716		17. 1	0.	18. 1	0.0473911	19. 1	0.	20. 1	0.
21. 1	0.		22. 1	0.	23. 1	0.0743347	24. 1	0.3570318	25. 1	0.0760004
26. 1	0.		27. 1	0.4179134	28. 1	0.	29. 1	0.4247914	30. 1	0.0244260
31. 1	0.		32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.		37. 1	0.	38. 1	0.0017253	39. 1	0.	40. 1	0.3080146
41. 1	0.		42. 1	0.4770267	43. 1	0.	44. 1	0.	45. 1	0.0548501
46. 1	0.		47. 1	0.3592523	48. 1	0.3443830	49. 1	0.	50. 1	0.
51. 1	0.		52. 1	0.0371417	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.		57. 1	0.	58. 1	0.1359948	59. 1	0.0535819	60. 1	0.
61. 1	0.		62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0230967		67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.0408673
71. 1	0.1362363		72. 1	0.3399095	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL	2	MS =	0.01000000	BIAS =	0.31706005
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.174291	2. 2	0.9000279	0. 0	0. 0
SUM NO. 1 15	0.17429				
SUM NO. 2 15	0.90003				

*** 187 INPUT P13 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL	1	MS =	0.20000000	BIAS =	0.
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2430225	2. 1	0.	3. 1	0.0314950
6. 1	0.0181264	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.2973677	17. 1	0.0666786	18. 1	0.0146085
21. 1	0.	22. 1	0.0047556	23. 1	0.3359415
26. 1	0.0694306	27. 1	0.4954993	28. 1	0.
31. 1	0.0289903	32. 1	0.	33. 1	0.0217416
36. 1	0.	37. 1	0.	38. 1	0.
41. 1	0.0036910	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.0150087	48. 1	0.4244090
51. 1	0.	52. 1	0.0571532	53. 1	0.0261630
56. 1	0.	57. 1	0.	58. 1	0.2423999
61. 1	0.0236529	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.5415801
71. 1	0.0424495	72. 1	0.3774140	0. 0	0.

5 BIAS CHANGES

LEVEL	2	MS =	0.01000000	BIAS =	1.25524932
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0479210	2. 2	0.0484478	0. 0	0.
SUM NO. 1 15	1.04792				
SUM NO. 2 15	0.04845				

*** 188 INPUT P14 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL	1	MS =	0.20000000	BIAS =	-0.02949449
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.0299700	13. 1	0.
16. 1	0.2228148	17. 1	0.4547420	18. 1	0.3422332
21. 1	0.0441979	22. 1	0.0494517	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0645523
31. 1	0.	32. 1	0.	33. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.
41. 1	0.3206376	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.0058175	48. 1	0.3160100
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.3414933	57. 1	0.4026866	58. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.
71. 1	0.0762161	72. 1	0.2667255	0. 0	0.

6 BIAS CHANGES

LEVEL	2	MS =	0.01000000	BIAS =	0.96427420
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2800421	2. 2	0.6322777	0. 0	0.
SUM NO. 1 15	0.28004				
SUM NO. 2 15	0.63228				

*** 189 INPUT P15 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL	1	MS =	0.20000000	BIAS =	-0.04757160
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0330955
6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.2402894	17. 1	0.4228160	18. 1	0.2620386
21. 1	0.	22. 1	0.1104824	23. 1	0.3185233
26. 1	0.	27. 1	0.	28. 1	0.4748783
31. 1	0.1624326	32. 1	0.	33. 1	0.0241863
36. 1	0.	37. 1	0.	38. 1	0.
41. 1	0.0191635	42. 1	0.	43. 1	0.
46. 1	0.0141244	47. 1	0.2865625	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.4583526	58. 1	0.
61. 1	0.	62. 1	0.0038762	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.
71. 1	0.0117814	72. 1	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08442749

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0844275	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.08442								
SUM NO. 2 IS	0.								

*** 190 INPUT P16 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03910349

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.0046873	3. 1	0.0711631	4. 1	0.2405007	5. 1	0.0847244
6. 1	0.0077704	7. 1	0.	8. 1	0.0234071	9. 1	0.	10. 1	0.3608308
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0397109	15. 1	0.0315048
16. 1	0.0117798	17. 1	0.0183729	18. 1	0.1236387	19. 1	0.1808563	20. 1	0.
21. 1	0.	22. 1	0.0770740	23. 1	0.0748649	24. 1	0.3163400	25. 1	0.1169275
26. 1	0.	27. 1	0.0545119	28. 1	0.1245554	29. 1	0.4614416	30. 1	0.0227711
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.0442981	38. 1	0.0300356	39. 1	0.	40. 1	0.4341403
41. 1	0.3241582	42. 1	0.0565854	43. 1	0.	44. 1	0.0021863	45. 1	0.1641427
46. 1	0.0605227	47. 1	0.0898363	48. 1	0.0057474	49. 1	0.	50. 1	0.
51. 1	0.0614493	52. 1	0.0161084	53. 1	0.4418350	54. 1	0.	55. 1	0.
56. 1	0.1107346	57. 1	0.0062396	58. 1	0.0454762	59. 1	0.2209688	60. 1	0.0483549
61. 1	0.0207855	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.0626122	68. 1	0.0083623	69. 1	0.0910713	70. 1	0.0713691
71. 1	0.2561790	72. 1	0.0157772	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45565137

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 191 INPUT P17 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.	4. 1	0.1042508	5. 1	0.0270723
6. 1	0.3323503	7. 1	0.	8. 1	0.0077012	9. 1	0.	10. 1	0.0131286
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0043430
16. 1	0.0060349	17. 1	0.	18. 1	0.0423563	19. 1	0.3239347	20. 1	0.0871303
21. 1	0.	22. 1	0.	23. 1	0.3722595	24. 1	0.2194597	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4043518	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.0436567	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2646258	42. 1	0.5544167	43. 1	0.	44. 1	0.	45. 1	0.0665540
46. 1	0.0116642	47. 1	0.0194090	48. 1	0.2878634	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.3340414	54. 1	0.	55. 1	0.
56. 1	0.0146111	57. 1	0.0213024	58. 1	0.0788746	59. 1	0.2264583	60. 1	0.2495590
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0224454	67. 1	0.	68. 1	0.	69. 1	0.0095331	70. 1	0.0270652
71. 1	0.2600813	72. 1	0.0507092	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.65341164

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3683435	2. 2	0.9066555	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.06834								
SUM NO. 2 IS	0.90666								

*** 192 INPUT P18 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.4042544	4. 1	0.3616820	5. 1	0.4427870
6. 1	0.5670610	7. 1	0.	8. 1	0.	9. 1	0.0014337	10. 1	0.0300750
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0046639	15. 1	0.1037348
16. 1	0.0390560	17. 1	0.	18. 1	0.0054141	19. 1	0.	20. 1	0.
21. 1	0.0514373	22. 1	0.	23. 1	0.0462441	24. 1	0.	25. 1	0.
26. 1	0.0130329	27. 1	0.5082468	28. 1	0.	29. 1	0.0352265	30. 1	0.
31. 1	0.0467613	32. 1	0.	33. 1	0.	34. 1	0.0340663	35. 1	0.4377842
36. 1	0.0502381	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.0123121
41. 1	0.	42. 1	0.0119011	43. 1	0.	44. 1	0.0212057	45. 1	0.0861404
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0354373
51. 1	0.1452775	52. 1	0.1218787	53. 1	0.4675354	54. 1	0.0452628	55. 1	0.0186255
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0384647	60. 1	0.315876
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0314456	67. 1	0.009677	68. 1	0.0414873	69. 1	0.0415143	70. 1	0.0563839
71. 1	0.2765415	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08291328

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0829132	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.08291								
SUM NO. 2 IS	C.								

*** 193 INPUT P19 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1027952	2. 1	0.	3. 1	0.	4. 1	0.2644539	5. 1	0.4363750
6. 1	C.0314421	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0221493
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0596969
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.5161009	20. 1	0.
21. 1	0.0169745	22. 1	0.3095799	23. 1	0.1168147	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0601938	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.0491574	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3125527	39. 1	0.0140904	40. 1	0.0073364
41. 1	C.	42. 1	0.0041425	43. 1	0.	44. 1	0.0378107	45. 1	0.4146816
46. 1	0.3903523	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0325587
51. 1	0.1327858	52. 1	0.4047422	53. 1	0.3419479	54. 1	0.	55. 1	0.
56. 1	0.0058948	57. 1	0.1003548	58. 1	0.0404166	59. 1	0.0450947	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0941855	65. 1	0.
66. 1	0.0575757	67. 1	0.1665184	68. 1	0.0717046	69. 1	0.5012389	70. 1	0.0490408
71. 1	C.	72. 1	0.0124147	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.35001703

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.6499830	2. 2	0.2604354	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.64998								
SUM NO. 2 IS	C.26044								

*** 194 INPUT P20 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.0820161	4. 1	0.2910515	5. 1	0.
6. 1	C.0498565	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4389783
11. 1	0.	12. 1	0.	13. 1	0.0153441	14. 1	0.0162441	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.2887908	19. 1	0.0194689	20. 1	0.
21. 1	0.0897162	22. 1	0.5635881	23. 1	0.0255922	24. 1	0.0078678	25. 1	0.0013960
26. 1	0.	27. 1	0.	28. 1	0.3697817	29. 1	0.0545387	30. 1	0.
31. 1	0.0039122	32. 1	0.1054296	33. 1	0.	34. 1	0.	35. 1	0.0551449
36. 1	C.	37. 1	0.0113563	38. 1	0.4580454	39. 1	0.0072450	40. 1	0.0055102
41. 1	0.0261412	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0761999
46. 1	C.4680506	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3423898	52. 1	0.	53. 1	0.0016906	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.0695948	58. 1	0.0800906	59. 1	0.	60. 1	0.3261748
61. 1	C.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	C.	67. 1	0.1414250	68. 1	0.	69. 1	0.0789244	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.36151509

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	C.								

*** 195 INPUT P21 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.14428176

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3469862	4. 1	0.	5. 1	0.
6. 1	C.	7. 1	0.	8. 1	0.	9. 1	0.3767779	10. 1	0.3448856
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	0.3783226	18. 1	0.1807112	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	C.	27. 1	0.	28. 1	0.3462526	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.3166624	38. 1	0.	39. 1	0.	40. 1	0.1778363
41. 1	C.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3613330
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	C.3669756	52. 1	0.2862993	53. 1	0.1587048	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.3420710	59. 1	0.1762026	60. 1	0.1248032
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3800240
71. 1	C.0904397	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09124850

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.14912485	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.09125								
SUM NO. 2 IS	C.								

*** 196 INPUT P22 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1149236	2. 1	0.	3. 1	0.4523360	4. 1	0.	5. 1	0.0268294
6. 1	0.0577685	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4222672
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4586455
16. 1	0.	17. 1	0.	18. 1	0.3411289	19. 1	0.0064203	20. 1	0.0851142
21. 1	0.0342396	22. 1	0.0245427	23. 1	0.0845122	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0914859	29. 1	0.1063664	30. 1	0.
31. 1	0.0105619	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.0746141
36. 1	0.	37. 1	0.0038320	38. 1	0.0340286	39. 1	0.	40. 1	0.1102040
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0027989	45. 1	0.1217371
46. 1	0.5792515	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0155015
51. 1	0.1266979	52. 1	0.4512397	53. 1	0.	54. 1	0.0504176	55. 1	0.
56. 1	0.0394959	57. 1	0.0668293	58. 1	0.	59. 1	0.0253515	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0282796	65. 1	0.
66. 1	0.0746556	67. 1	0.1235827	68. 1	0.0269361	69. 1	0.4025128	70. 1	0.4227950
71. 1	0.	72. 1	0.0596725	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09790410

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0979041	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.09790								

*** 197 INPUT P23 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=C00000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01249187

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0399816	2. 1	0.0551682	3. 1	0.3761644	4. 1	0.0076964	5. 1	0.0268568
6. 1	0.4500217	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0422340
11. 1	0.	12. 1	0.	13. 1	0.0654950	14. 1	0.0242791	15. 1	0.4563883
16. 1	0.	17. 1	0.0123915	18. 1	0.358026	19. 1	0.	20. 1	0.
21. 1	0.0738717	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0487233
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0037339
31. 1	0.0313021	32. 1	0.	33. 1	0.0809175	34. 1	0.0278729	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0362659	39. 1	0.	40. 1	0.3864021
41. 1	0.	42. 1	0.0427180	43. 1	0.0349561	44. 1	0.0407468	45. 1	0.4874924
46. 1	0.1069068	47. 1	0.	48. 1	0.	49. 1	0.0355767	50. 1	0.0759937
51. 1	0.3095938	52. 1	0.0792035	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0909964	57. 1	0.0841599	58. 1	0.	59. 1	0.0028685	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1459567	67. 1	0.1607826	68. 1	0.0264907	69. 1	0.1758832	70. 1	0.0377224
71. 1	0.0143574	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.45259164

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 198 INPUT P24 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.3818591
6. 1	0.	7. 1	0.	8. 1	0.1381809	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.0577387	14. 1	0.	15. 1	0.4668285
16. 1	0.	17. 1	0.	18. 1	0.0130334	19. 1	0.	20. 1	0.
21. 1	0.0548353	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2656659	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0413961	32. 1	0.	33. 1	0.0321978	34. 1	0.3496574	35. 1	0.0407103
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.2807640	40. 1	0.0247027
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3504419
46. 1	0.3317878	47. 1	0.	48. 1	0.	49. 1	0.0401525	50. 1	0.1912070
51. 1	0.1940402	52. 1	0.0426961	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.2268329	57. 1	0.	58. 1	0.0172194	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0047706	64. 1	0.	65. 1	0.0013127
66. 1	0.0383461	67. 1	0.0801575	68. 1	0.0534884	69. 1	0.4352046	70. 1	0.
71. 1	0.1384759	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.35303195

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 197 INPUT P25 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01451519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0700136	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0589041	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4442096
16. 1	0.0357803	17. 1	0.0281943	18. 1	0.	19. 1	0.0247053	20. 1	0.
21. 1	0.0291611	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4721901	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0073756	33. 1	0.0472306	34. 1	0.1508920	35. 1	0.4461165
36. 1	0.	37. 1	0.0515581	38. 1	0.2351436	39. 1	0.3964945	40. 1	0.
41. 1	0.	42. 1	0.0322476	43. 1	0.	44. 1	0.	45. 1	0.3155037
46. 1	0.0295144	47. 1	0.	48. 1	0.0589111	49. 1	0.0853480	50. 1	0.0994926
51. 1	0.2057637	52. 1	0.0821016	53. 1	0.	54. 1	0.1029007	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.2194409	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.3640863	65. 1	0.
66. 1	0.3459383	67. 1	0.3693633	68. 1	0.	69. 1	0.4465099	70. 1	0.
71. 1	0.2359638	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37348147

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7836051	2. 2	0.1684891	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.78361								
SUM NO. 2 IS	0.16849								

*** 200 INPUT P26 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0612954	3. 1	0.2503348	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0732740	9. 1	0.	10. 1	0.0173701
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0351800
16. 1	0.	17. 1	0.0243668	18. 1	0.	19. 1	0.0673601	20. 1	0.0146904
21. 1	0.1132393	22. 1	0.4389287	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3182527	27. 1	0.	28. 1	0.0191902	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2535643	35. 1	0.
36. 1	0.	37. 1	0.0732816	38. 1	0.4174326	39. 1	0.1031260	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0227631	47. 1	0.	48. 1	0.0179693	49. 1	0.	50. 1	0.3382671
51. 1	0.0050989	52. 1	0.4910060	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3412934	57. 1	0.3416016	58. 1	0.0037356	59. 1	0.0280343	60. 1	0.
61. 1	0.	62. 1	0.0604279	63. 1	0.3554624	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3023788	68. 1	0.4715604	69. 1	0.0262478	70. 1	0.0776238
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.09755276

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9024472	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.90245
 SUM NO. 2 IS 0.

*** 201 INPUT P27 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0279100	3. 1	0.	4. 1	0.	5. 1	0.0127060
6. 1	0.	7. 1	0.	8. 1	0.0469284	9. 1	0.	10. 1	0.1507325
11. 1	0.	12. 1	0.	13. 1	0.0451448	14. 1	0.	15. 1	0.3287297
16. 1	0.0337874	17. 1	0.0159397	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1257187	22. 1	0.0335120	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2305092	27. 1	0.	28. 1	0.4311123	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.2153590	34. 1	0.1250319	35. 1	0.0364613
36. 1	0.	37. 1	0.0375751	38. 1	0.0506107	39. 1	0.4143524	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0760497	44. 1	0.	45. 1	0.1929177
46. 1	0.1071257	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2998096
51. 1	0.5584678	52. 1	0.4703158	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.4654170	57. 1	0.	58. 1	0.	59. 1	0.0115887	60. 1	0.
61. 1	0.	62. 1	0.3132895	63. 1	0.0613849	64. 1	0.	65. 1	0.0006018
66. 1	0.0378184	67. 1	0.5109519	68. 1	0.	69. 1	0.1494742	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.71227647

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.00000								

*** 202 INPUT P28 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.00937173

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.0956367	3. 1	0.1269631	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0110842	9. 1	0.5998345	10. 1	0.0102694
11. 1	0.	12. 1	0.	13. 1	0.0342822	14. 1	0.0503891	15. 1	0.4109275
16. 1	0.0018049	17. 1	0.4776801	18. 1	0.0613128	19. 1	0.	20. 1	0.
21. 1	0.0067036	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2358526	27. 1	0.0552829	28. 1	0.	29. 1	0.	30. 1	0.0158566
31. 1	0.1773746	32. 1	0.	33. 1	0.3040043	34. 1	0.2782845	35. 1	0.
36. 1	C.	37. 1	0.0434943	38. 1	0.0098220	39. 1	0.0196209	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0314920	44. 1	0.	45. 1	0.0665948
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.3122073
51. 1	0.4316191	52. 1	0.1061339	53. 1	0.	54. 1	0.	55. 1	0.0443796
56. 1	0.0548407	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0646185	63. 1	0.0797082	64. 1	0.	65. 1	0.
66. 1	0.0197985	67. 1	0.4558397	68. 1	0.0177910	69. 1	0.4853137	70. 1	0.0682231
71. 1	C.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37053813

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2834089	2. 2	0.7165912	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.28341								
SUM NO. 2 15	C.71659								

*** 203 INPUT P29 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0924669	2. 1	0.3308225	3. 1	0.1727017	4. 1	0.	5. 1	0.
6. 1	0.1258449	7. 1	0.	8. 1	0.6045682	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.1704336	14. 1	0.	15. 1	0.1648579
16. 1	0.0077668	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0346712	24. 1	0.0649121	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0184594
31. 1	C.	32. 1	0.	33. 1	0.2994298	34. 1	0.0126076	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.0554100	40. 1	0.
41. 1	0.	42. 1	0.0801457	43. 1	0.	44. 1	0.0537999	45. 1	0.3721468
46. 1	0.3686823	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6871554
51. 1	0.1521217	52. 1	0.1315226	53. 1	0.	54. 1	0.0976104	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.0196549	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.0411477	64. 1	0.	65. 1	0.
66. 1	0.6647930	67. 1	0.4612690	68. 1	0.	69. 1	0.1171800	70. 1	0.
71. 1	0.	72. 1	0.0215704	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37744735

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.00000								

*** 204 INPUT P30 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01323741

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0860425	2. 1	0.4812523	3. 1	0.	4. 1	0.0134928	5. 1	0.
6. 1	0.0287593	7. 1	0.	8. 1	0.4799076	9. 1	0.0454346	10. 1	0.
11. 1	0.	12. 1	0.3240686	13. 1	0.1237823	14. 1	0.3555056	15. 1	0.0307097
16. 1	0.0476957	17. 1	C.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0121474	24. 1	0.0295398	25. 1	0.0277243
26. 1	0.3619265	27. 1	0.0548061	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0864151	32. 1	0.0137554	33. 1	0.	34. 1	0.3704964	35. 1	0.0691174
36. 1	C.0104298	37. 1	0.0247635	38. 1	0.0087157	39. 1	0.3256021	40. 1	0.
41. 1	0.0100822	42. 1	0.0750198	43. 1	0.0325108	44. 1	0.0060546	45. 1	0.
46. 1	0.0190204	47. 1	0.0119039	48. 1	0.	49. 1	0.0392970	50. 1	0.2467715
51. 1	0.0777730	52. 1	0.0300170	53. 1	0.0609482	54. 1	0.0199589	55. 1	0.0111478
56. 1	0.0001897	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0490961	63. 1	0.0733705	64. 1	0.	65. 1	0.3171335
66. 1	0.0548006	67. 1	0.1016474	68. 1	0.0118146	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	C.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.36541057

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.1048942	2. 2	0.8931018	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.10690								
SUM NO. 2 IS	C.89310								

*** 205 INPUT P31 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.03248352

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2898872	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1161068	9. 1	0.4785332	10. 1	0.
11. 1	0.	12. 1	0.0346324	13. 1	0.4761647	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1580805	23. 1	0.	24. 1	0.	25. 1	0.3029837
26. 1	0.2724101	27. 1	0.0594715	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0276872	32. 1	0.	33. 1	0.0103953	34. 1	0.	35. 1	0.4119089
36. 1	0.5190942	37. 1	0.0365568	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0494941	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1075410	49. 1	0.	50. 1	0.0176294
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.3484335
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.0552301
61. 1	0.	62. 1	0.	63. 1	0.4445002	64. 1	0.3185126	65. 1	0.0309540
66. 1	0.	67. 1	0.	68. 1	0.4926444	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9344958	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93450								
SUM NO. 2 IS	0.								

*** 206 INPUT P32 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.00831455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.4247367	3. 1	0.0417785	4. 1	0.0314356	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.209576	9. 1	0.0205541	10. 1	0.
11. 1	0.	12. 1	0.0398496	13. 1	0.	14. 1	0.4021838	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0562562	20. 1	0.
21. 1	0.4268590	22. 1	0.4330059	23. 1	0.0019017	24. 1	0.	25. 1	0.0180789
26. 1	0.0475029	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0658514	33. 1	0.2367256	34. 1	0.0137479	35. 1	0.0325866
36. 1	0.0093103	37. 1	0.0987166	38. 1	0.4166094	39. 1	0.0925953	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2983858	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0993809	49. 1	0.	50. 1	0.3937432
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1010903	55. 1	0.2234373
56. 1	0.	57. 1	0.0501827	58. 1	0.0529937	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0447701	63. 1	0.0516174	64. 1	0.3385060	65. 1	0.0710819
66. 1	0.	67. 1	0.0128640	68. 1	0.4696501	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0306686	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.30080928

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 207 INPUT P33 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01095322

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1004168	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1392233	9. 1	0.	10. 1	0.0034168
11. 1	0.	12. 1	0.0603736	13. 1	0.	14. 1	0.0585559	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.5622575	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3634401
26. 1	0.2016337	27. 1	0.	28. 1	0.0250154	29. 1	0.	30. 1	0.0275324
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2718730	35. 1	0.
36. 1	0.0063941	37. 1	0.6145633	38. 1	0.0268955	39. 1	0.3977320	40. 1	0.0224094
41. 1	0.0650568	42. 1	0.	43. 1	0.	44. 1	0.2359225	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0837644	49. 1	0.0581471	50. 1	0.0459703
51. 1	0.0691967	52. 1	0.	53. 1	0.	54. 1	0.0047312	55. 1	0.3242506
56. 1	0.	57. 1	0.0700366	58. 1	0.0512579	59. 1	0.	60. 1	0.
61. 1	0.0741131	62. 1	0.2761558	63. 1	0.4919273	64. 1	0.0705097	65. 1	0.4799696
66. 1	0.	67. 1	0.0327283	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.40547254

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.2266326	2. 2	0.7733674	0. C	0.	0. C	0.	0. C	0.
SUM NO. 1 IS	0.22663								
SUM NO. 2 IS	0.77337								

*** 208 INPUT P34 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.70000000 BIAS = 0.04578547

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.072726	2. 1	0.4373269	3. 1	0.0685935	4. 1	0.1231986	5. 1	0.0351619
6. 1	0.	7. 1	0.0570248	8. 1	0.0642718	9. 1	0.0606417	10. 1	0.
11. 1	C.0784971	12. 1	0.3575040	13. 1	0.3512016	14. 1	0.1208734	15. 1	0.
16. 1	0.0493867	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0038582	22. 1	0.	23. 1	C.0112192	24. 1	0.	25. 1	0.0305720
26. 1	0.1018485	27. 1	0.0519169	28. 1	0.	29. 1	0.0381459	30. 1	0.0009963
31. 1	0.1252275	32. 1	0.0301418	33. 1	0.0255399	34. 1	0.0645448	35. 1	0.1653402
36. 1	C.0784953	37. 1	C.5196427	38. 1	0.	39. 1	0.	40. 1	0.0068909
41. 1	0.	42. 1	0.0592295	43. 1	0.0463659	44. 1	0.1107005	45. 1	0.
46. 1	0.0500596	47. 1	0.	48. 1	0.0833750	49. 1	0.0520026	50. 1	0.1370161
51. 1	0.0624988	52. 1	0.0706083	53. 1	0.0312244	54. 1	0.0657939	55. 1	0.1365455
56. 1	0.	57. 1	0.	58. 1	0.0757466	59. 1	0.0839442	60. 1	0.
61. 1	0.0744687	62. 1	0.0512476	63. 1	0.3957583	64. 1	0.0013753	65. 1	0.0351905
66. 1	C.0328155	67. 1	0.0525609	68. 1	0.	69. 1	0.0793328	70. 1	C.0681056
71. 1	0.0335309	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45268787

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.3814329	2. 2	0.5473121	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.38143								
SUM NO. 2 IS	0.54731								

*** 209 INPUT P35 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.05075543

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0266498	2. 1	0.4992020	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.5233152	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2855928	13. 1	C.1502902	14. 1	0.2488071	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2820206
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0102546	32. 1	0.	33. 1	0.	34. 1	0.3757602	35. 1	0.0474431
36. 1	0.	37. 1	0.1060402	38. 1	0.	39. 1	0.3029374	40. 1	0.
41. 1	0.0088683	42. 1	0.0276018	43. 1	0.	44. 1	C.3166616	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5354106
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.2081619
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.2271226	63. 1	0.4060170	64. 1	0.0040192	65. 1	0.4161610
66. 1	0.0086017	67. 1	0.1011022	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. C	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.89343648

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 210 INPUT P36 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54865877

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.1189424
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4605529
16. 1	0.0427031	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.6946464	23. 1	0.2642154	24. 1	0.	25. 1	0.
26. 1	0.6604893	27. 1	0.	28. 1	0.3113212	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0607975	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1521446	39. 1	0.2907435	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0381390
46. 1	0.5287522	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	C.0818090	52. 1	0.5093076	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3489577	68. 1	0.4003244	69. 1	0.4671158	70. 1	0.0290535
71. 1	0.0143492	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.48743062

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. C	0.	0. 0	0.	0. C	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.000000								

*** 211 INPUT LSV1 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.75177230

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.5921825	3. 1	0.2541274	4. 1	0.	5. 1	0.1115025
6. 1	0.	7. 1	0.	8. 1	0.2265454	9. 1	0.2968510	10. 1	0.
11. 1	0.	12. 1	0.3122111	13. 1	0.	14. 1	0.4105478	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0670152	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2208572	39. 1	0.5342366	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.4143136	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6865578
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2953705	64. 1	0.	65. 1	0.1284386
66. 1	0.0829384	67. 1	0.2637190	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.07997490

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0799749	0. C	0.	0. 0	0.	0. C	0.
SUM NO. 1 15	0.								
SUM NO. 2 15	1.07997								

*** 212 INPUT LSV2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66230544

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0297430	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0330231	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.0345262	12. 1	0.	13. 1	0.2649058	14. 1	0.2167720	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0594852
21. 1	0.6607743	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1670495	33. 1	0.	34. 1	0.4290897	35. 1	0.
36. 1	0.4156978	37. 1	0.4092469	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1562604	44. 1	0.1416458	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3446606	50. 1	0.6418549
51. 1	0.0773300	52. 1	0.	53. 1	0.	54. 1	0.1357894	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0330918	62. 1	0.0890259	63. 1	0.	64. 1	0.4223102	65. 1	0.1377257
66. 1	0.1508006	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08319206

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0881921	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	1.08819								
SUM NO. 2 15	0.								

*** 213 INPUT LSV3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.61337610

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.4281536	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5465044	12. 1	0.	13. 1	0.0958039	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.3783548
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.6969973	25. 1	0.4175547
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2046208
31. 1	0.	32. 1	0.2539404	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.3664491	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4123677	49. 1	0.3090332	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1559330	63. 1	0.2344520	64. 1	0.4729343	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.34614714

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 214 INPUT LSV4 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.5045171

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1911804	2. 1	0.	3. 1	0.	4. 1	0.4872106	5. 1	0.
6. 1	0.0630735	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0737293
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4108033	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1709650	24. 1	0.0631264	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6942176	30. 1	0.2240697
31. 1	0.057724P	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2278590
41. 1	0.1654841	42. 1	0.2557901	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4019685	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6505603	54. 1	0.1070033	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.3142743
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.8148713	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.36567809

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 215 INPUT LSV5 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66416448

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.6735401	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2810207
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.2545117
16. 1	0.0328507	17. 1	0.0001051	18. 1	0.5647585	19. 1	0.0483775	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0778136	42. 1	0.1190392	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.4457397	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1354002
51. 1	0.	52. 1	0.2404207	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3769035	57. 1	0.5427629	58. 1	0.2167728	59. 1	0.	60. 1	0.3984125
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.0546878
71. 1	0.3034280	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.61582139

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4405384	2. 2	0.6030282	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.44053								
SUM NO. 2 IS	0.60303								

*** 216 INPUT LSV6 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07876988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.6397855	3. 1	0.3158454	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0918316
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0510892	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3166746	27. 1	0.	28. 1	0.1357551	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6604940	39. 1	1.0324846	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0419142
51. 1	0.	52. 1	0.1618875	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6635474	68. 1	0.1571355	69. 1	0.4426384	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.18921552

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 217 INPUT LSV7 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.38695425

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.6729663	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1871097	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2036375	13. 1	0.	14. 1	0.6546973	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1648001	35. 1	0.
36. 1	C:1147139	37. 1	0.2917489	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.6391526	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6977886
51. 1	C:	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6320369
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C:	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.3247871
66. 1	0.2551402	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C:	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.38695960

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C:	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
1 IS	0.								
SUM NO. 2 IS	1.000000								

*** 218 INPUT LLSV2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30060437

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C:	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5375746	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C:5889238	12. 1	0.	13. 1	0.4517921	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4789272
21. 1	0.0343987	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2017772
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	C:	32. 1	0.4424241	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.4878803	44. 1	0.	45. 1	0.
46. 1	C:	47. 1	0.	48. 1	0.	49. 1	0.6911187	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0010440	55. 1	0.
56. 1	0.	57. 1	C:	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1997000	63. 1	0.	64. 1	0.7647169	65. 1	0.0064252
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.89382842

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0871903	2. 2	0.9200946	0. 0	0.	0. 0	0.	0. 0	0.
1 IS	0.08719								
SUM NO. 2 IS	0.92009								

*** 219 INPUT LLSV3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07545422

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C:	7. 1	0.1753570	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3323208	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.2016130
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.8598693	25. 1	0.0096987
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.5261417	30. 1	0.4972739
31. 1	0.	32. 1	0.1079184	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C:	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0479916	43. 1	0.1058296	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.8871103	49. 1	0.	50. 1	0.
51. 1	C:	52. 1	0.	53. 1	0.	54. 1	0.0599376	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	C:	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C:	72. 1	0.9008890	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.21219674

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C:	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 220 INPUT LLSV4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25339508

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.3803592	5. 1	0.
6. 1	0.7547253	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2153770
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.2597968	19. 1	0.370131	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.542082	30. 1	0.
31. 1	C.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.2379979	42. 1	0.4111989	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.6935042	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.0718379	59. 1	0.	60. 1	0.7093751
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1689019	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.05619864

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3807425	2. 2	0.6192575	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.38074								
SUM NO. 2 IS	0.61926								

*** 221 INPUT LLSV5 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25799301

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C.0450085	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3353290
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.7091049
16. 1	0.	17. 1	0.	18. 1	0.5115229	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0087542	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.1244536
46. 1	0.9507555	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.6559019	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1798837	57. 1	0.4786765	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2307506	70. 1	0.1330910
71. 1	0.2975194	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.44167760

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 222 INPUT LLSV6 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39545582

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1825286	10. 1	0.6389466
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	1.0749133	18. 1	0.1140776	19. 1	0.0379914	20. 1	0.
21. 1	0.	22. 1	0.3280029	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	C.	27. 1	0.	28. 1	0.5924234	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4249964	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3503686	38. 1	0.2104615	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.3492250	58. 1	0.	59. 1	0.0225205	60. 1	0.0687419
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.2736176	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2653294
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.87499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0191104	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.01911								
SUM NO. 2 IS	C.								

*** 223 INPUT LSH1 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.21009293

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.1444764	4. 1	0.	5. 1	0.
6. 1	0.1023977	7. 1	0.	8. 1	0.1279688	9. 1	0.3250096	10. 1	0.4917501
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.4646702	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.4201704	19. 1	0.	20. 1	0.1422600
21. 1	0.1263035	22. 1	0.	23. 1	0.	24. 1	0.0653616	25. 1	0.
26. 1	0.0047402	27. 1	0.	28. 1	0.2477566	29. 1	0.3633215	30. 1	0.0938515
31. 1	0.3723767	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.1598682	38. 1	0.	39. 1	0.	40. 1	0.1005790
41. 1	0.0240799	42. 1	0.2593847	43. 1	0.	44. 1	0.	45. 1	0.0743319
46. 1	0.0117112	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0301734
51. 1	0.3733025	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.0953357
56. 1	0.	57. 1	0.0349239	58. 1	0.0985349	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1640508
66. 1	0.	67. 1	0.0479027	68. 1	0.	69. 1	0.	70. 1	0.5539686
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.90689859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0632454	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.06325								
SUM NO. 2 IS	C.								

*** 224 INPUT LSH/ IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.32853805

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2394314
6. 1	0.4040721	7. 1	0.	8. 1	0.4803335	9. 1	0.0307310	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1592193
16. 1	0.2357065	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.0495016	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3234880	35. 1	0.0022553
36. 1	0.0040819	37. 1	0.	38. 1	0.	39. 1	0.1691159	40. 1	0.
41. 1	0.	42. 1	0.1584970	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.2814491	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0365383	60. 1	0.
61. 1	0.0770781	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0616592	67. 1	0.	68. 1	0.	69. 1	0.4773756	70. 1	0.
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.22495021

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9738303	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.97383								
SUM NO. 2 IS	0.								

*** 225 INPUT LSH/ IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.21880095

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.2608870	3. 1	0.	4. 1	0.	5. 1	0.0121785
6. 1	0.4808814	7. 1	0.	8. 1	0.4806063	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.1073643	14. 1	0.	15. 1	0.0682114
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0505695	20. 1	0.0700947
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.2686592	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1883619	33. 1	0.	34. 1	0.	35. 1	0.1117443
36. 1	0.4547972	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.6803437	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0688113	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2080332
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2083302	64. 1	0.1210014	65. 1	0.
66. 1	0.3705628	67. 1	0.	68. 1	0.4453579	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1951027	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.64134569

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1824954	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.98250								
SUM NO. 2 IS	C.								

*** 226 INPUT LSH/ IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.31691054

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2300060
6. 1	0.0338053	7. 1	0.1912484	8. 1	0.1816225	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.4566800	22. 1	0.4299825	23. 1	0.	24. 1	0.	25. 1	0.1100456
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0761748	33. 1	0.1595746	34. 1	0.	35. 1	0.3326277
36. 1	0.3668638	37. 1	0.	38. 1	0.3541266	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0714301	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1872862	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.4522994	58. 1	0.2487326	59. 1	0.	60. 1	0.2982510
61. 1	0.	62. 1	0.1551011	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0653658	67. 1	0.	68. 1	0.2907318	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.97479039

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.000000								
SUM NO. 2 IS	C.								

*** 227 INPUT LSH5 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.33101967

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2833370
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.3795295	20. 1	0.
21. 1	0.4015305	22. 1	0.5886918	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3646652	28. 1	0.2276603	29. 1	0.	30. 1	0.
31. 1	0.0888135	32. 1	0.1212407	33. 1	0.	34. 1	0.	35. 1	0.3233251
36. 1	0.0320926	37. 1	0.0247585	38. 1	0.3471544	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.1440480	52. 1	0.1261843	53. 1	0.	54. 1	0.2095922	55. 1	0.
56. 1	0.0065347	57. 1	0.1332437	58. 1	0.1817856	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.3660072	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2556527
71. 1	0.0141905	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.95056999

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0234298	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.02343								
SUM NO. 2 IS	C.								

*** 228 INPUT LSH6 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.69934112

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.3876600	10. 1	0.4459031
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.7464792	18. 1	0.3755879	19. 1	0.	20. 1	0.
21. 1	0.0018665	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7046237	29. 1	0.0220548	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3794301	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.0839616	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2866011	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.7689845
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.13385764

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9251699	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92517								
SUM NO. 2 IS	0.								

*** 229 INPUT LSH1 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39214079

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
5. 1	0.6322049	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
11. 1	C.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.1208576
16. 1	C.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
21. 1	C.	22. 1	0.0050511	31. 1	0.	34. 1	0.3540900	40. 1	0.
26. 1	C.	27. 1	0.	36. 1	0.	39. 1	0.0182198	45. 1	0.
31. 1	0.4564502	32. 1	0.1580130	41. 1	0.	44. 1	0.	50. 1	0.
36. 1	C.	37. 1	0.5019692	46. 1	0.	49. 1	0.	55. 1	0.
41. 1	C.	42. 1	0.	51. 1	0.1629575	56. 1	0.	60. 1	0.
46. 1	C.	47. 1	0.	56. 1	0.	59. 1	0.	65. 1	0.0355791
51. 1	C.	52. 1	0.	61. 1	0.	64. 1	0.	70. 1	0.0192980
56. 1	C.	57. 1	0.	66. 1	0.	69. 1	0.1189031	75. 1	0.
61. 1	0.2680390	62. 1	0.	71. 1	0.	76. 1	0.	81. 1	0.
66. 1	0.5000830	67. 1	0.	77. 1	0.	82. 1	0.	87. 1	0.
71. 1	C.	72. 1	0.	78. 1	0.	83. 1	0.	88. 1	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.45090282

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.4329156	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
1. 15	C.43292	2. 15	0.	3. 15	0.	4. 15	0.	5. 15	0.

*** 230 INPUT LLSH2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.67217030

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.1901796
5. 1	0.7678831	7. 1	0.	13. 1	0.7355530	19. 1	0.	25. 1	0.
11. 1	C.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
16. 1	C.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
21. 1	C.	22. 1	0.	28. 1	0.	34. 1	0.0706447	40. 1	0.
26. 1	C.	27. 1	0.6870340	33. 1	0.	39. 1	0.	45. 1	0.
31. 1	0.2932127	32. 1	0.	38. 1	0.	44. 1	0.	50. 1	0.
36. 1	C.	37. 1	0.6553682	43. 1	0.	49. 1	0.	55. 1	0.
41. 1	C.	42. 1	0.	48. 1	0.	54. 1	0.	60. 1	0.
46. 1	C.	47. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
51. 1	C.	52. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
56. 1	C.	57. 1	0.	63. 1	0.	69. 1	0.1281456	75. 1	0.
61. 1	C.	62. 1	0.	68. 1	0.	74. 1	0.	80. 1	0.
66. 1	1.2013691	67. 1	0.	73. 1	0.	79. 1	0.	85. 1	0.
71. 1	C.	72. 1	0.	78. 1	0.	84. 1	0.	90. 1	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.13292867

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9257372	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
1. 15	0.92574	2. 15	0.	3. 15	0.	4. 15	0.	5. 15	0.

*** 231 INPUT LLSH3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.58140875

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.2229283
5. 1	0.5678260	7. 1	0.	13. 1	0.6335364	19. 1	0.	25. 1	0.
11. 1	C.	12. 1	0.	18. 1	0.0142746	24. 1	0.	30. 1	0.
16. 1	C.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.0286323
21. 1	C.	22. 1	0.	28. 1	0.	34. 1	0.	40. 1	0.
26. 1	C.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.3980576
31. 1	C.	32. 1	0.2055576	38. 1	0.	44. 1	0.	50. 1	0.
36. 1	0.8172557	37. 1	0.	43. 1	0.0139726	49. 1	0.	55. 1	0.
41. 1	C.	42. 1	0.7433701	48. 1	0.0117507	54. 1	0.	60. 1	0.0998677
46. 1	C.	47. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
51. 1	C.	52. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
56. 1	C.	57. 1	0.	63. 1	0.0163894	69. 1	0.0393872	75. 1	0.
61. 1	C.	62. 1	0.	68. 1	0.7400853	74. 1	0.	80. 1	0.
66. 1	0.4526960	67. 1	0.	73. 1	0.	79. 1	0.	85. 1	0.
71. 1	C.	72. 1	0.	78. 1	0.	84. 1	0.	90. 1	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0720767	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
1. 15	1.07208	2. 15	0.	3. 15	0.	4. 15	0.	5. 15	0.

*** 232 INPUT LLSH4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL	1	MS =	0.20000000	BIAS =	-0.77051122
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.
21. 1	0.6514600	22. 1	0.8371000	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.
31. 1	0.	32. 1	0.1020695	33. 1	0.
36. 1	0.3000863	37. 1	0.	38. 1	0.558398H
41. 1	0.	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.4702453	58. 1	0.3609967
61. 1	0.	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.1924139
71. 1	0.	72. 1	0.	0. 0	0.

5 BIAS CHANGES

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
4. 1	0.	5. 1	0.4023635	9. 1	0.	10. 1	0.	14. 1	0.
19. 1	0.1641574	24. 1	0.	29. 1	0.	34. 1	0.	39. 1	0.
44. 1	0.	49. 1	0.	54. 1	0.0315366	59. 1	0.	64. 1	0.2500346
69. 1	0.	70. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9644953	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.96453								
SUM NO. 2 IS	0.								

*** 233 INPUT LLSHS IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL	1	MS =	0.20000000	BIAS =	-0.86416174
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	0.7428958	18. 1	0.
21. 1	0.2014155	22. 1	0.6147606	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5750292
31. 1	0.	32. 1	0.3796885	33. 1	0.
36. 1	0.	37. 1	0.2515951	38. 1	0.4159522
41. 1	0.	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.2893350	58. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.

5 BIAS CHANGES

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
4. 1	0.	5. 1	0.	9. 1	0.	10. 1	0.4326759	14. 1	0.
19. 1	0.2042440	24. 1	0.	29. 1	0.	34. 1	0.	39. 1	0.
44. 1	0.	49. 1	0.	54. 1	0.	59. 1	0.	64. 1	0.4948262
69. 1	0.	70. 1	0.3616223	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0527885	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05279								
SUM NO. 2 IS	0.								

*** 234 INPUT LLSH6 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

END OF INPUT. SIMULATION COMPLETE.

MAIN TEST IS DONE.

LIST 2

CONTROL CARD
 READOP= 2
 NUMIN= 35
 NAMES= 12
 KEYS=0000010000
 ISM=7

NETWORK SPECIFICATIONS

NO. OF LEVELS= 2
 DT= 0.59999994
 EPSLN= 0.00000000
 MSTEP= 0.100000
 USAT=1.000000
 LONG=C.500000

SECOND CARD

X= 6 Y= 6 Z= 1 RYD=12345 PCH=5 DCH=1

LEVEL CARDS-B

LEVEL	X	Y	Z	SX	SI	PX	PI	GSX	GSI	GPX	GPI	PCTYP	PCTYP	SLFCOM
1	6	6	2	8	8	8	8	0.500	0.500	0.500	0.500	2	2	0
2	2	1	1	1	1	62	62	0.500	0.500	0.500	0.500	0	2	0

LEVEL CARD-A/

LEVEL	MS	MI	F(+S)	F(-S)	F(+P)	F(-P)	ESUM
1	0.100000	0.500000	0.999000	-0.999000	0.999000	-0.999000	5.000000
2	0.	1.000000	0.	0.	0.999000	-0.999000	1.000000

READY CONTROL CARD
 INDICT=0000000001
 INPUT MODE=1P2
 TEST MODE= MAX
 CONSECUTIVE OUTPUTS/STRIP= 1
 G-WT PRINT COUNT= 30
 G-WT PRINT MODE=2
 A1=0
 A2= 12 B2= 4C2= 12 D2= 1
 A3= -0 B3= -0
 A4= -0 B4= -0 C4= -0
 C= 0

READOP= 2
 NUMIN= 36
 NAMES= 12
 MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11524370
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24629287
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37734205
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31181747
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27975518
 ** CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.27905518

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0165235	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.7253924
6. 1	0.2213055	7. 1	0.	8. 1	0.2222750	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1979249
16. 1	0.427501	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2154167	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2343402	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2340489	35. 1	0.7178495
36. 1	0.4842867	37. 1	0.	38. 1	0.	39. 1	0.2301183	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0295497	48. 1	0.4190888	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2300078	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1397777	63. 1	0.	64. 1	0.1706823	65. 1	0.
66. 1	0.663072	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.35179916
 ** CONTROL=0000000001

1 BIAS CHANGES

LEVEL	2	MS =	0.	BIAS =	0.35178918
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5508110	2. 2	0.4491982	0. 0	0.
SUM NO.	1 15	0.55081			
SUM NO.	2 15	0.44919			

*** 1 INPUT M1 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34696507
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85432129
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36157748
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10799938
 ** CONTROL=00000000007

4 BIAS CHANGES

LEVEL	1	MS =	0.07999999	BIAS =	-1.10799938
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3153096	2. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.3957434	8. 1	0.
11. 1	0.6348255	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.
31. 1	0.3546317	32. 1	0.1290297	33. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6582329
46. 1	0.	47. 1	0.	48. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.
61. 1	0.6614266	62. 1	0.	63. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.
71. 1	0.	72. 1	0.1753655	0. 0	0.
LEVEL 2	OUTPUT OUT OF RANGE, NEW BIAS =	0.5000000			
**	CONTROL=00000000001				
LEVEL 2	OUTPUT OUT OF RANGE, NEW BIAS =	1.07129559			
**	CONTROL=00000000003				
LEVEL 2	OUTPUT OUT OF RANGE, NEW BIAS =	0.79564780			
**	CONTROL=00000000007				

3 BIAS CHANGES

LEVEL	2	MS =	0.	BIAS =	0.79564780
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3036749	2. 2	0.7457867	0. 0	0.
SUM NO.	1 15	0.30368			
SUM NO.	2 15	0.74579			

*** 2 INPUT V1 IDENTIFICATION CORRECT
 MINPS=000000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.09827621
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22283137
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34736652
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28510835
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25397018
 ** CONTROL=00000000007

5 BIAS CHANGES

LEVEL	1	MS =	0.09999999	BIAS =	-0.25397018
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.
6. 1	0.	7. 1	0.0249233	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.
16. 1	0.	17. 1	0.	19. 1	0.
21. 1	0.0999954	22. 1	0.4640783	23. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.
31. 1	0.	32. 1	0.2518455	33. 1	0.1497555
36. 1	0.3359975	37. 1	0.	38. 1	0.7462153
41. 1	0.	42. 1	0.	43. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0426389
51. 1	0.	52. 1	0.	53. 1	0.
56. 1	0.	57. 1	0.4770126	58. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5175449
66. 1	0.	67. 1	0.	68. 1	0.2518250
71. 1	0.	72. 1	0.	0. 0	0.
LEVEL 2	OUTPUT OUT OF RANGE, NEW BIAS =	0.4036277			
**	CONTROL=00000000001				
LEVEL 2	OUTPUT OUT OF RANGE, NEW BIAS =	0.8724542			
**	CONTROL=00000000003				

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.09554193

•• CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.2441627
•• CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39272064
•• CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31843846
•• CONTROL=000000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.04792939 BIAS = -0.31843846

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.1752595	8. 1	0.	9. 1	0.	10. 1	0.4939315
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1552359	19. 1	0.	20. 1	0.
21. 1	0.2360317	22. 1	0.4966095	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4440093	29. 1	0.1785125	30. 1	0.
31. 1	0.	32. 1	0.0026712	33. 1	0.0053701	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.534873P	39. 1	0.	40. 1	0.1741273
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4909674	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1553633
56. 1	0.	57. 1	0.4727698	58. 1	0.1811248	59. 1	0.	60. 1	0.2385918
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4045918
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.20561298
•• CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.41162597
•• CONTROL=000000000003
2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.41162597

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.000000								
SUM NC. 2 IS	0.								

••• 6 INPUT H3 IDENTIFICATION CORRECT
MINPS=000000000007 NCYES=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45726654
•• CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.74195665
•• CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42604677
•• CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18430172
•• CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06312920
•• CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17371546
•• CONTROL=000000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.09392999 BIAS = -1.12371546

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1480586	4. 1	0.5813227	5. 1	0.0799153
6. 1	0.6606098	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8389564
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3979076	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1389407	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3432920	29. 1	0.1273360	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6409954
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1507148	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.1011515	53. 1	0.0761099	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1303272	60. 1	0.4251928
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.06827107
•• CONTROL=000000000001
1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.06827109

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0682711	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.06827								
SUM NC. 2 IS	0.								

••• 7 INPUT H3 IDENTIFICATION INCORRECT.
MINPS=000000000007 NCYES=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43115558
•• CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.88667063
•• CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.34711569
•• CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.1144815
•• CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00054448
•• CONTROL=000000000007


```
LEVEL      :      MS =      0.00000000      BIAS =      -1.00054941
```

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.	0.	1.	0.	3.	0.1313071	4.	0.	5.	0.1758527
6.	0.7376742	7.	0.	8.	0.	9.	0.	10.	0.9300390
11.	0.	12.	0.	13.	0.	14.	0.	15.	0.
16.	0.	17.	0.	18.	0.3408295	19.	0.	20.	0.
21.	0.	22.	0.	23.	0.1719093	24.	0.	25.	0.
26.	0.	27.	0.0512816	28.	0.3111102	29.	0.	30.	0.
31.	0.	32.	0.	33.	0.	34.	0.	35.	0.
36.	0.	37.	0.	38.	0.	39.	0.	40.	0.5829059
41.	0.338523	42.	0.	43.	0.	44.	0.	45.	0.0438672
46.	0.460473	47.	0.	48.	0.	49.	0.	50.	0.
51.	0.	52.	0.1614335	53.	0.1597404	54.	0.	55.	0.
56.	0.	57.	0.0750447	58.	0.	59.	0.	60.	0.3190020
61.	0.	62.	0.	63.	0.	64.	0.	65.	0.
66.	0.	67.	0.	68.	0.	69.	0.0099572	70.	0.0353257
71.	0.0196444	72.	0.	73.	0.0	74.	0.0	75.	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

•• CONTROL=CCCCCCCC

LEVEL 2 OUTPUT OUT OF RANGE, VFW #145 = 93.8262(715

```

.. CONTROL=J-C.500003
LEVEL 2 OUTPUT OUT OF RANGE. NEW BIAS = 47.16313457

```

•• CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW RIAS = 23.83156729

LEVER: 2 DUBUIT OUT OF RANGE - NEW BIAS = 2-16578364

LEVEL 2 OUTPUT OUT OF RANGE. VFW BIAS = 1.18576384
** CONTROL=00000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 6.332891e2

.. CONTROL=0000000007
LEVEL 3 (INPUT OUT OF RANGE) NEW MARS 3 61666584

```
LEVEL 2 OUTPUT NOT OF RANG , NEW BIAS = 3.41844394
** CONTROL=1000000007
```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.95822300

[illegible]

```
LEVEL      2 OUTPUT OUT OF RANGE, NEW BIAS =          1.22911152
** CONTROL#000000000007
```

LEVEL 2 OUTPUT OUT OF RANGE, VFW BIAS = 0.86455579

•• CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.04683365
** CONTROL = 0.22626060437

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.13797258

• CONTROL=0000000007

LEVEL 2 AS = C. BIAS = 1.13797259

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3726891	2. 2	0.6433016	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO.	1 IS	0.37263
SUM NO.	2 IS	0.64330

```
***      8      INPUT V7          IDENTIFICATION CORRECT  
MINPS=000000000000        NCYCS=000000000014    INDICT=000000000001
```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07007445

```

** CONTROL = 0000000001

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.1666A2C5
** CONTROL=000 0000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW RIAS = -0.26328965

•• CONTROL*010000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.21498585

LEVEL 1 MS = 0.09999977 BIAS = -0.21498585

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0386470	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	9. 1	0.	9. 1	0.0738752	10. 1	0.3281923
11. 1	0.	12. 1	0.0137329	13. 1	0.	14. 1	0.3001129	15. 1	0.
16. 1	0.7911508	17. 1	0.0217428	18. 1	0.3237188	19. 1	0.2467489	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2239066	28. 1	0.3100908	29. 1	0.0819452	30. 1	0.0326602
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2634551	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.0009466	50. 1	0.
51. 1	0.	52. 1	0.5384252	53. 1	0.	54. 1	0.	55. 1	0.1004930
56. 1	0.561051	57. 1	0.	58. 1	0.	59. 1	0.2957031	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2702984
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2417911	70. 1	0.3805276
71. 1	0.140627	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, P W BIAS = 0.40277534

•• CONTROL = 000 0000001

LEVEL = 2 MS = 1. HIAS = 0.90559070

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.2226990	0. 2	0.	0. 0	0.	0. 0	0.

SUM NC.	4 IS	2.
SUM NC.	2 IS	1.0000

*** 9 IDENTIFICATION INCORRECT.
MINPS=000000000000 POLYCS=000000000000 INDICT=000000000000

LEVEL 4 OUTPUT OUT OF RANGE, VOLT BIAS = -0.00876433

EVEL MS 0.09491779 HIAS -0.0974498

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
	1. 2	7.2926463	2. 2	0.7266996	0. 0	0.	0. 0	0.	0. 0	0.
SUM MC.	1 15	0.24290								
SUM MC.	2 15	0.72674								

[illegible][illegible]

LEVEL 1 OUTPUT OUT OF RANGE, NEW RIAS = 0.6779542
.. CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW HIAS = 0.49403476
** CONTINUE TO 000000

```

LEVEL 1 OUTPUT OF RAYC, NEW BIAS = 0.14212720
** CONTROL = 7, 101, 107
LEVEL 1 OUTPUT OF RAYC, NEW BIAS = 0.14212720

```

```
.. CONTROL=000000007  
LEVEL      1 OUTPUT BIT OF MANDR, N = BIAS =    0.23959261  
.. CONTROL=000000007
```

LEVEL 1 OUTPUT OUT OF RANGE, NEW HIAS = 0.21048125
 ** COMPARE WITH MAGNET

8 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = 0.21096025

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.174560	2. 1	0.	3. 1	0.0450306	4. 1	0.1066026	5. 1	0.
6. 1	0.	7. 1	0.0834536	8. 1	0.	9. 1	0.0872363	10. 1	0.0932429
11. 1	0.054698	12. 1	0.1016010	13. 1	0.	14. 1	0.1207166	15. 1	0.026404
16. 1	0.0664236	17. 1	0.0972049	18. 1	0.0873456	19. 1	0.0872146	20. 1	0.0784670
21. 1	0.0745097	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0756744	27. 1	0.2601672	28. 1	0.0806458	29. 1	0.0998556	30. 1	0.0847776
31. 1	0.0843618	32. 1	0.	33. 1	0.	34. 1	0.0897390	35. 1	0.
36. 1	0.	37. 1	0.0844386	38. 1	0.	39. 1	0.0965170	40. 1	0.0765871
41. 1	0.	42. 1	0.	43. 1	0.0957892	44. 1	0.0801535	45. 1	0.0976217
46. 1	0.	47. 1	0.0932128	48. 1	0.	49. 1	0.0906924	50. 1	0.
51. 1	0.0817917	52. 1	0.116237	53. 1	0.1033620	54. 1	0.	55. 1	0.0950764
56. 1	0.0728038	57. 1	0.	58. 1	0.0474645	59. 1	0.0833409	60. 1	0.0893783
61. 1	0.0544222	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1262941
66. 1	0.0875079	67. 1	0.0769547	68. 1	0.	69. 1	0.1245871	70. 1	0.0915400
71. 1	0.1426633	72. 1	0.0315025	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5700030
 ** CONTROL=0000000000
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.64250667
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07125334
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.78562668
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.92844000
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.85703334
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.85703334

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0613223	2. 2	0.4571572	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.06132								
SUM NO. 2 IS	0.45716								

*** 12 INPUT H4 IDENTIFICATION CORRECT
 MINPS=0000000000 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37237912
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83004324
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.28776735
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05892530
 ** CONTROL=0000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = -1.05892530

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6911985	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4541931
16. 1	0.	17. 1	0.	18. 1	0.1498809	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1554638	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1644397	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5014594	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.4388877
46. 1	0.4549256	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1921899
51. 1	0.0201773	52. 1	0.2704047	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1874569	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5020100	68. 1	0.	69. 1	0.7864301	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 1 MS = 0. BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7743236	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.7743								
SUM NO. 2 IS	0.								

*** 13 INPUT V4 IDENTIFICATION INCORRECT.
 MINPS=0000000000 NCYCS=00000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33817960
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75059731
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16301522
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75680617
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85370174
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90525395
 ** CONTROL=0000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = -0.90525375

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6555809	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0065525	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.3922794
16. 1	0.	17. 1	0.	18. 1	0.1962197	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.2125242	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0483700	27. 1	0.	28. 1	0.1994764	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1343602	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5690566	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3736885
46. 1	0.3746651	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2403792
51. 1	0.1920420	52. 1	0.2599153	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.170586	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1037925	67. 1	0.4020709	68. 1	0.	69. 1	0.2263385	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.78839529
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.14419764
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.82209882
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98314823
 ** CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.98314823

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2856525	2. 2	0.7627285	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.28565
 SUM NO. 2 IS 0.76273

*** 14 INPUT V4 IDENTIFICATION CORRECT
 MINPS=0000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.03906006
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11644956
 ** CONTROL=0000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = -0.11644956

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1659213	3. 1	0.5608317	4. 1	0.	5. 1	0.
6. 1	0.0245759	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.3314895	14. 1	0.1463436	15. 1	0.
16. 1	0.	17. 1	0.3738730	18. 1	0.	19. 1	0.	20. 1	0.1624503
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.6577280	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.5088835	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.1343120	43. 1	0.	44. 1	0.	45. 1	0.3732892
46. 1	0.1226580	47. 1	0.	48. 1	0.	49. 1	0.2779144	50. 1	0.1530225
51. 1	0.	52. 1	0.	53. 1	0.1064110	54. 1	0.	55. 1	0.
56. 1	0.2689733	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1287674	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1466729
66. 1	0.	67. 1	0.1414820	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.2648269	72. 1	0.1699274	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37055673
 ** CONTROL=0000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.37055673

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3067589	2. 2	0.6294433	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.30676
 SUM NO. 2 IS 0.62944

*** 15 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=0000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03314891
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.08838509
 ** CONTROL=0000000003

2 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.00830505

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1779498	3. 1	0.2105958	4. 1	0.	5. 1	0.
6. 1	0.2040370	7. 1	0.	8. 1	0.	9. 1	0.0233178	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.2011826	14. 1	0.1787257	15. 1	0.0217315
16. 1	0.	17. 1	0.2024650	18. 1	0.1044349	19. 1	0.	20. 1	0.1753089
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1774279	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2102292
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0247482	35. 1	0.
36. 1	0.	37. 1	0.1571101	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.03670739	42. 1	0.1972047	43. 1	0.0993147	44. 1	0.0992249	45. 1	0.1937070
46. 1	0.2106291	47. 1	0.0754594	48. 1	0.	49. 1	0.1688086	50. 1	0.1911737
51. 1	0.	52. 1	0.0785808	53. 1	0.2110867	54. 1	0.	55. 1	0.
56. 1	0.2172090	57. 1	0.	58. 1	0.	59. 1	0.0576563	60. 1	0.
61. 1	0.2412946	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2263626
66. 1	0.2504132	67. 1	0.2120070	68. 1	0.	69. 1	0.1732080	70. 1	0.
71. 1	0.2547220	72. 1	0.2499646	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.35478264

** CONTROL=C0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.70956531

** CONTROL=C0000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53217398

** CONTROL=C0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.67086964

** CONTROL=C0000000007

4 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.62086964

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2894726	2. 2	0.9113043	3. 0	0.	4. 0	0.	5. 0	0.
SUM NC. 1 IS	0.68947								
SUM NC. 2 IS	0.91130								

*** 16 INPUT MS IDENTIFICATION INCORRECT.
MINPS=00000000004 NCYCS=C0000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06901616

** CONTROL=C0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.45341903

** CONTROL=C0000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.76121759

** CONTROL=C0000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.91511688

** CONTROL=C0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49206652

** CONTROL=C0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.29054135

** CONTROL=C0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.17477876

** CONTROL=C0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22766005

** CONTROL=C0000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.22766005

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0424609	2. 1	0.1373554	3. 1	0.1302194	4. 1	0.	5. 1	0.
6. 1	0.1283733	7. 1	0.	8. 1	0.1377888	9. 1	0.1330988	10. 1	0.
11. 1	0.0422304	12. 1	0.1105959	13. 1	0.1402295	14. 1	0.1334700	15. 1	0.1271481
16. 1	0.733252	17. 1	0.1197324	18. 1	0.1439526	19. 1	0.0122031	20. 1	0.1269549
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1396053	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0664398	30. 1	0.1481737
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1427062	35. 1	0.
36. 1	0.	37. 1	0.1039413	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1346125	42. 1	0.1508197	43. 1	0.1394119	44. 1	0.1601807	45. 1	0.1408344
46. 1	0.1557674	47. 1	0.1530902	48. 1	0.	49. 1	0.1465941	50. 1	0.1086382
51. 1	0.	52. 1	0.1270884	53. 1	0.1458823	54. 1	0.	55. 1	0.0806229
56. 1	0.1241273	57. 1	0.	58. 1	0.	59. 1	0.1142799	60. 1	0.
61. 1	0.2195479	62. 1	0.	63. 1	0.0570308	64. 1	0.	65. 1	0.1630643
66. 1	0.1476467	67. 1	0.1410136	68. 1	0.	69. 1	0.1474820	70. 1	0.
71. 1	0.1387731	72. 1	0.1310592	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=C0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.08943287

** CONTROL=C0000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79471643

** CONTROL=C0000000007

3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.79471643

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1867032	2. 2	0.7536708	3. 0	0.	4. 0	0.	5. 0	0.
SUM NC. 1 IS	0.18671								
SUM NC. 2 IS	0.75367								

*** 17 INPUT MS IDENTIFICATION INCORRECT.
MINPS=00000000004 NCYCS=C0000000011 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.23253649
** CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.72043490
** CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.46439411
** CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.43635071
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.52234602
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.36533934
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28683652
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32608810
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34571388
** CONTROL=0000000001

11 BIAS CHANGES

LEVEL 1 MS = 0.07999999 BIAS = 0.34571388

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1130376	2. 1	0.1108204	3. 1	0.1153278	4. 1	0.0764710	5. 1	0.
6. 1	0.1190225	7. 1	0.	8. 1	0.0970994	9. 1	0.1492612	10. 1	0.
11. 1	0.1179541	12. 1	0.0986482	13. 1	0.0940623	14. 1	0.1277416	15. 1	0.0895263
16. 1	0.1327032	17. 1	0.1100945	18. 1	0.1203697	19. 1	0.1240084	20. 1	0.1194498
21. 1	0.	22. 1	0.	23. 1	0.0931364	24. 1	0.1041657	25. 1	0.
26. 1	0.0995863	27. 1	0.0197514	28. 1	0.	29. 1	0.1120493	30. 1	0.1145877
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1273592	35. 1	0.
36. 1	0.	37. 1	0.1017963	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0938094	42. 1	0.1171130	43. 1	0.1285654	44. 1	0.1237501	45. 1	0.1144806
46. 1	0.1074209	47. 1	0.1280994	48. 1	0.	49. 1	0.1141755	50. 1	0.0837879
51. 1	0.	52. 1	0.1225663	53. 1	0.1288299	54. 1	0.	55. 1	0.1331426
56. 1	0.1110781	57. 1	0.	58. 1	0.	59. 1	0.1275353	60. 1	0.
61. 1	0.1210855	62. 1	0.	63. 1	0.1092196	64. 1	0.	65. 1	0.1103523
66. 1	0.1218608	67. 1	0.1208084	68. 1	0.	69. 1	0.1133517	70. 1	0.
71. 1	0.117123	72. 1	0.1217117	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.57060090
** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.69242364
** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.59621184
** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.04810593
** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.77405298
** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.91107945
** CONTROL=0000000001

6 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.91107945

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4618201	2. 2	0.5460451	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO. 1 IS	0.46182								
SUM NO. 2 IS	0.54605								

*** 18 INPUT MS IDENTIFICATION INCORRECT.
MINS=0000000004 NCYCS=0000000010 TWICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34722216
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41666660
** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45139843
** CONTROL=0000000001

6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.45139843

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.866730	2. 1	0.1033364	3. 1	0.1191535	4. 1	0.1184448	5. 1	0.
6. 1	0.099412	7. 1	0.	8. 1	0.0904981	9. 1	0.1232512	10. 1	0.
11. 1	0.1130738	12. 1	0.0920965	13. 1	0.0887597	14. 1	0.1306779	15. 1	0.0886574
16. 1	0.1312947	17. 1	0.0972623	18. 1	0.1144903	19. 1	0.0831721	20. 1	0.0938813
21. 1	0.	22. 1	0.	23. 1	0.1295806	24. 1	0.1023940	25. 1	0.0952509
26. 1	0.1242928	27. 1	0.1218014	28. 1	0.	29. 1	0.0886416	30. 1	0.1002401
31. 1	0.0937624	32. 1	0.0429400	33. 1	0.	34. 1	0.1182518	35. 1	0.
36. 1	0.	37. 1	0.1063932	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0941028	42. 1	0.0975397	43. 1	0.1159979	44. 1	0.1076356	45. 1	0.0902333
46. 1	0.090565	47. 1	0.1174545	48. 1	0.	49. 1	0.1053815	50. 1	0.0800783
51. 1	0.	52. 1	0.1223694	53. 1	0.1252159	54. 1	0.	55. 1	0.1256854
56. 1	0.0941061	57. 1	0.	58. 1	0.	59. 1	0.1154292	60. 1	0.
61. 1	0.0907103	62. 1	0.	63. 1	0.0907610	64. 1	0.	65. 1	0.1037711
66. 1	0.1146634	67. 1	0.1051975	68. 1	0.0749229	69. 1	0.1013504	70. 1	0.
71. 1	0.1132557	72. 1	0.0967243	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.30725272
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.90362637
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.7018.319
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.80271977
 ** CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.80271977

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5045470	2. 2	0.4033740	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.50455								
SUM NO. 2 IS	0.40337								

*** 19 INPUT MS IDENTIFICATION CORRECT
 MINPS=0000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37644647
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83773449
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29902251
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60837851
 ** CONTROL=0000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.06937851

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3297049	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3136591	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2707275	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.5976462	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6539122	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.4897469	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0415970	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5484487
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1046788
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3482285	64. 1	0.2379869	65. 1	0.1003134
66. 1	0.1284139	67. 1	0.6102423	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23523284
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.47046570
 ** CONTROL=0000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.47046570

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 20 INPUT VS IDENTIFICATION INCORRECT.
 MINPS=0000000003 NCYCS=00000000013 INDICT=00000 000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34713037
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77586499
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20459960
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99023230
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.86304865
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93664047
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.93664047

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2999397	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3061177	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2508550	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.426778	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6407720	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6190831	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0098037	39. 1	0.3952993	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.1567251	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4235214
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1032507
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2771879	64. 1	0.2606601	65. 1	0.1069079
66. 1	0.053693	67. 1	0.5838852	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 4.46045150
 ** CONTROL=000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.48022565
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.49011294
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.97505644
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.24250463
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.35634873
 ** CONTROL=000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.0 BIAS = 1.36634873

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 2	0.9796452	3. 3	0.	4. 4	0.	5. 5	0.
SUM NO.	1 15	0.							
SUM NO.	2 15	0.9796452							

*** 21 INPUT VS IDENTIFICATION CORRECT
 MINPS=0000000007 NOVELS=0000000014 IMPDET=000000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.00700291
 ** CONTROL=000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.13676377
 ** CONTROL=000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.0 BIAS = -0.13676377

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2263769	3. 1	0.0879374	4. 1	0.	5. 1	0.
6. 1	0.0000000	7. 1	0.	8. 1	0.5560780	9. 1	0.5246409	10. 1	0.
11. 1	0.0000000	12. 1	0.	13. 1	0.2909629	14. 1	0.4034227	15. 1	0.
18. 1	0.	19. 1	0.	20. 1	0.	21. 1	0.	22. 1	0.770821
25. 1	0.	26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0406328
30. 1	0.0000000	31. 1	0.2953280	32. 1	0.	33. 1	0.	34. 1	0.0603765
36. 1	0.0000000	37. 1	0.	38. 1	0.1114586	39. 1	0.	40. 1	0.0066935
41. 1	0.	42. 1	0.0372073	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0470020	48. 1	0.0039807	49. 1	0.	50. 1	0.
51. 1	0.0000000	52. 1	0.0601907	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0000000	62. 1	0.1346307	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0000000	67. 1	0.2692767	68. 1	0.	69. 1	0.3045664	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.99640973
 ** CONTROL=000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.24321489
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.9716745
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.05741116
 ** CONTROL=000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.0 BIAS = 1.05741116

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0000000	2. 2	0.9991170	3. 2	0.	4. 2	0.	5. 2	0.
SUM NO.	1 15	0.0000000							
SUM NO.	2 15	0.9991170							

*** 22 INPUT VS IDENTIFICATION INCORRECT
 MINPS=0000000000 NOVELS=0000000014 IMPDET=000000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01218930
 ** CONTROL=000000001
 1 BIAS CHANGES

LEVEL 1 MS = 0.0 BIAS = 0.01218930

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1773837	3. 1	0.1410910	4. 1	0.	5. 1	0.
6. 1	0.0000000	7. 1	0.	8. 1	0.2354904	9. 1	0.0978885	10. 1	0.
11. 1	0.0000000	12. 1	0.	13. 1	0.0634214	14. 1	0.0605024	15. 1	0.
18. 1	0.	19. 1	0.	20. 1	0.	21. 1	0.	22. 1	0.1176126
25. 1	0.	26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1533934
30. 1	0.0000000	31. 1	0.1435509	32. 1	0.	33. 1	0.	34. 1	0.1683367
36. 1	0.0000000	37. 1	0.	38. 1	0.0439561	39. 1	0.	40. 1	0.1312594
41. 1	0.0000000	42. 1	0.1947227	43. 1	0.	44. 1	0.1406593	45. 1	0.
46. 1	0.0000000	47. 1	0.0702413	48. 1	0.1171347	49. 1	0.0884217	50. 1	0.
51. 1	0.	52. 1	0.1757901	53. 1	0.0455928	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.1090389	59. 1	0.	60. 1	0.
61. 1	0.0000000	62. 1	0.1437930	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0000000	67. 1	0.1127577	68. 1	0.	69. 1	0.1629480	70. 1	0.
71. 1	0.	72. 1	0.1643263	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.63935249
 ** CONTROL=000000003

LEVEL = MS = 3.

BIAS = 0.63935269

COMP.		OUTPUT	COMP.		OUTPUT	COMP.		OUTPUT	COMP.		OUTPUT
SUM	MC.	1 15	2.4587735	2.2	0.6013729	0.0	0.	0.0	0.0	0.	0.
SUM	MC.	2 15	0.60577								
			0.60597								

000 23 INPUT HAS IDENTIFICATION INCORRECT.
MIPS=0000078000 NCVS=0000000012 INDICT=0000000001

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.0660779
.. CONTROL = 0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.15924611
.. CONTROL = 0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.11303696
.. CONTROL = 0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.13515154
.. CONTROL = 0000000007
.. 4 BIAS ERRORS

```

LEVEL 1 MS * C.F5007997 MIAS r 0.13615154

COMP.	INPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.	0.1546063	1.	0.1256576	3.	0.1191399	4.	0.	5.	0.0190364
6.	0.105601	7.	0.	9.	0.1531788	9.	0.1173726	10.	0.
11.	0.1325149	12.	0.1544779	13.	0.1170566	14.	0.1000917	15.	0.0379363
16.	0.	17.	0.	18.	0.0939691	19.	0.	20.	0.1413265
21.	0.	22.	0.	23.	0.1453693	24.	0.1246276	25.	0.1204286
26.	0.1328133	27.	0.1971474	28.	0.	29.	0.	30.	0.1091626
31.	0.1353969	32.	0.	33.	0.0466353	34.	0.1244487	35.	0.1090328
36.	0.1274773	37.	0.0940499	39.	0.	39.	0.0916554	40.	0.
41.	0.1534766	42.	0.1250381	43.	0.1580653	44.	0.1361507	45.	0.1110799
46.	0.1521503	47.	0.1169864	49.	0.1030507	49.	0.0969532	50.	0.1179037
51.	0.	52.	0.	53.	0.1041500	54.	0.	55.	0.
56.	0.1231343	57.	0.	59.	0.1019909	59.	0.	60.	0.
61.	0.1280262	62.	0.1053775	63.	0.	64.	0.	65.	0.
66.	0.1269779	67.	0.1190659	69.	0.0337605	69.	0.1329481	79.	0.
71.	0.0429026	72.	0.0959939	73.	0.	80.	0.	80.	0.

```
LEVEL      710.1    NEW BIAS = 0.56980000  
.. CONTROL=CONTROL1  
LEVEL      2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94356779  
.. CONTROL=CONTROL2  
LEVEL      2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72175439  
.. CONTROL=CONTROL3  
   3 BIAS CHANGES
```

LEVEL = AS = C. MIAS = 0.72178420

CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT
SUM VC. 1. 5	6.454432	SUM VC. 2. 2	6.470023	SUM VC. 0. 0	0.	SUM VC. 0. 0	0.	SUM VC. 0. 0	0.
SUM VC. 2. 15	6.45345								
	6.47002								

... 24 IAPLT M6 IDENTIFICATION INCORRECT.
MIMP5=0W0GLJ*CCO : SCYCS=(C.CD)CCGII INDICT=0090002CGOI

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443

```

.. CONTROL=1.01.0000001
LEVEL 1 INPUT OUT OF RANGE, NEW BIAS = 31.59458424

```

.. CONTROL=100000003
ADDITIONAL: GMSHED- SECURED AT LOC 22:35

ARITHMETICAL OVERFLOW OCCURRED AT LOC 22455
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 15.87701433

.. CONTROL=000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22:35

LEVEL 1 INPUT OUT OF RANGE, NEW BIAS = 7.94822937

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135

```
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.00043673
** CONTROL=0000000003
```

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE. NEW BIAS = 2.63914070

```

LEVEL 1 OUTPUT NOT OF HANDS; V W 0145
.. CONTROL=000000003

```

ARITHMETIC DIV FLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, VFM BIAS = 1.05429259

LEVEL 1 CONTROL=0000000033
1 OUTPUT QUI DE MAN-E. YOM BIAS = 2.56186853

```

LEVEL      1 OUTPUT SET OF VALUES FOR STATE
** CONTROL=000,000007
          0-31565651

```

```

LEVEL 1 OUTPUT OUT OF RANGE, V.W. BIAS = 0.5485891
** CONTROL=000000007

```

LEVEL 1 OUTPUT OUT OF RANGE. NEW BIAS = 0.19255051
CONTROLLER 2200 CELL 102

LEVEL 1 OUTPUT OUT OF RANGE, V.W BIAS = 0.25410351

.. CONTROL=000000000000
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22332701

```

** CONTROL= 000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEG BIAS = 0.23871526

```

LEVEL 1 OUTPUT UNIT OF DATA, NEW STATE
.. CONTROL=0000000007

13 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = 0.23071526

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1000227	2. 1	0.0032139	3. 1	0.1160016	4. 1	0.	5. 1	0.1070370
6. 1	0.1123079	7. 1	0.0026452	8. 1	0.1000002	9. 1	0.1010020	10. 1	0.
11. 1	0.0042622	12. 1	0.0047741	13. 1	0.0000491	14. 1	0.0007573	15. 1	0.0033082
16. 1	0.0001120	17. 1	0.0012011	18. 1	0.1000730	19. 1	0.	20. 1	0.1029511
21. 1	0.	22. 1	0.	23. 1	0.1140026	24. 1	0.0071400	25. 1	0.1001300
26. 1	0.1054247	27. 1	0.1001130	28. 1	0.	29. 1	0.	30. 1	0.0003410
31. 1	0.1103221	32. 1	0.	33. 1	0.0050016	34. 1	0.1016567	35. 1	0.0013759
36. 1	0.0070622	37. 1	0.0090670	38. 1	0.	39. 1	0.0027555	40. 1	0.0029541
41. 1	0.1029542	42. 1	0.0000047	43. 1	0.1010349	44. 1	0.1009169	45. 1	0.0052974
46. 1	0.1000126	47. 1	0.0061040	48. 1	0.0007197	49. 1	0.0027078	50. 1	0.1003527
51. 1	0.	52. 1	0.	53. 1	0.1002724	54. 1	0.0000266	55. 1	0.0007649
56. 1	0.1124133	57. 1	0.	58. 1	0.0000559	59. 1	0.	60. 1	0.
61. 1	0.1192012	62. 1	0.0000194	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1102712	67. 1	0.0004421	68. 1	0.1120055	69. 1	0.1005126	70. 1	0.
71. 1	0.0000562	72. 1	0.0000569	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.49066715
 ** CONTROL=CC00000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.77030995
 ** CONTROL=CC00000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.63040010
 ** CONTROL=CC00000007
 3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.63040010

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0001530	2. 2	0.2742304	0. 0	0.	0. 0	0.	0. 0	0.

SUP NO. 1 IS 0.00015
 SUP NO. 2 IS 0.27424

*** 25 INPUT NO IDENTIFICATION CORRECT
 NINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41630593
 ** CONTROL=CC00000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.91534971
 ** CONTROL=CC00000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41439359
 ** CONTROL=CC00000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16407165
 ** CONTROL=CC00000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04011069
 ** CONTROL=CC00000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10249116
 ** CONTROL=CC00000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.10249116

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.4024405	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.4530127	13. 1	0.	14. 1	0.1653048	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.00597272	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2001607
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.4052932	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4035210	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1004339	44. 1	0.1202519	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1671905	55. 1	0.7000350
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6522904	63. 1	0.2109006	64. 1	0.1038019	65. 1	0.4057149
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.19246030
 ** CONTROL=CC00000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.36593662
 ** CONTROL=CC00000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.36593662

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.0873656	0. 0	0.	0. 0	0.	0. 0	0.

SUP NO. 1 IS 1.00000
 SUP NO. 2 IS 0.08737

*** 26 INPUT NO IDENTIFICATION INCORRECT.
 NINPS=00000000001 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39062081
 ** CONTROL=CC00000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83139794
 ** CONTROL=CC00000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20217504
 ** CONTROL=CC00000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05670651
 ** CONTROL=CC00000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94409223
 ** CONTROL=CC00000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00043936
 ** CONTROL=CC00000007

4 BIAS CHANGES

LEVEL 1 MS = 0.09979999 BIAS = -1.22437647

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3474943	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.450416P	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7337461	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.7691532
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.4501296
31. 1	0.3324272	32. 1	0.1430950	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.7494467	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2329657	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4831383	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7278435	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.35298924

** CONTROL=0900000001
1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.35298924

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3306515	2. 2	0.6470107	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.33065
SUM NO. 2 IS 0.64701

*** 29 INPUT V1 IDENTIFICATION CORRECT
NINFS=06000000012 NCYCS=00000000014 INDICT=00000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30061738

** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48257622

** CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.65653506

** CONTROL=0000000003

3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.65653506

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1864086
6. 1	0.1219134	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0242439
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0383670	20. 1	0.
21. 1	0.	22. 1	0.6101285	23. 1	0.	24. 1	0.	25. 1	0.1142572
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1460124	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.5088042	37. 1	0.	38. 1	0.9932659	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1123090	55. 1	0.
56. 1	0.	57. 1	0.6226407	58. 1	0.	59. 1	0.	60. 1	0.1099444
61. 1	0.	62. 1	0.	63. 1	0.4501051	64. 1	0.6889276	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0445867	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.35108991

** CONTROL=0000000001
1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -1.35108991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4239431	2. 2	0.5760567	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.42394
SUM NO. 2 IS 0.57606

*** 30 INPUT M2 IDENTIFICATION INCORRECT.

NEW G-WEIGHTS FROM RESULT OF INPUT 30

COMPONENT 1. 1 G-WEIGHTS

0.43642744	0.51335144	0.49748230	0.50183105	0.49525452
0.495468 4	0.50244141	0.49737549	-0.24980164	-0.56829834
-0.566110 33	-0.57032776	-0.55721936	-0.56823730	-0.40692139
-0.51058960	0.60273743	0.61320496	0.57199097	0.61065674
0.61320496	0.55952454	0.21307373	0.21507263	-0.49147034
-0.48093755	-0.52218628	-0.53466797	-0.48353103	-0.48353103
-0.48093755	-0.52218628	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.49621582	0.46502686	0.56304932	0.53558350	0.48832703
0.48374039	0.48753357	0.47769055	-0.49746704	-0.51284790
-0.50937217	-0.45532227	-0.53332520	-0.44299316	-0.48709106
-0.56106567	0.25643921	0.47956848	0.71061707	0.71061707
0.41777039	0.18672100	0.50325012	0.73429871	-0.72280884
-0.53127408	-0.36022749	-0.36022749	-0.36022749	-0.88414001
-0.36022749	-0.36022749	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

C.54512224
C.54241780
-C.46423224
-C.47530173
C.28431482
-C.94735718
-C.42779187

0.50578308
0.53364563
-0.44490479
C.30857849
0.93879700
-0.28492737
-0.91821289

0.4C414429
0.51785278
-0.54083252
0.82633972
0.26155090
-0.62729187
0.

0.52998723
-0.47877942
-0.49386292
0.82568740
0.26228333
-0.47492676
0.

0.41999817
-0.48286438
-0.44313049
0.28758240
-0.28492737
-C.28492737
0.

COMPONENT 4. 1 G-WEIGHTS

C.5C871113
0.47551392
-C.47C15381
-C.43311829
0.54C40527
-C.50P48369
-C.52938679

0.48954773
C.49028015
-0.44433594
0.51504517
0.44357330
-0.48011780
-0.50848389

0.49401855
0.51469421
-0.51779175
0.34342651
0.47195435
-0.5C424194
0.

0.50656128
-0.52244568
-0.50677490
0.49994226
0.47195435
-0.48313904
0.

0.50008052
-0.55378723
-0.44098284
0.51982337
-0.50517273
-0.43011780
0.

COMPONENT 5. 1 G-WEIGHTS

0.46316528
0.45910389
-0.47383118
-0.45762634
C.79369591
-0.52691650
-0.59405519

0.45826721
C.49383545
-0.48426819
0.76464844
0.81488237
-0.06982422
-0.59405518

0.47044373
C.47169495
-0.53900144
0.81488237
0.7348450
-0.59405518
0.

0.47782626
-0.49154463
-0.53451538
0.
0.
-0.54701233
0.

0.70535278
-0.53276882
-0.48482295
0.86838989
-0.34701233
-0.52691650
0.

COMPONENT 6. 1 G-WEIGHTS

0.54133492
0.57345581
-C.44474792
-C.47297668
0.63C39644
-C.43236784
-C.63072205

0.54078674
C.41770745
-0.53114319
0.13276672
0.90988159
-C.40930176
-C.96891785

0.45776177
C.549773C71
-C.47738159
0.63C39644
0.59564277
-0.16740254
0.

0.50013733
-0.48318481
-0.44396973
0.90988159
0.09536743
-0.48236684
0.

0.53618229
-0.63053894
-0.52815486
0.89536743
-0.44915771
-0.40950176
0.

COMPONENT 7. 1 G-WEIGHTS

C.65299307
C.49482727
-C.55531665
-C.55744424
C.7C825195
-C.5C242615
-C.51C45227

0.61610413
C.43484497
-C.55801392
C.59510803
C.59510803
-C.51C45227
-C.53309631

0.50146484
0.43286133
-0.55579613
0.57247925
C.68271790
-C.51045227
C.

0.43461609
-0.55984497
-0.55932617
0.70025195
0.16522217
-0.53309631
0.

0.43196186
-0.19172668
-0.45974731
0.57247925
-0.39729389
-0.50242615
0.

COMPONENT 8. 1 G-WEIGHTS

C.5C283613
C.49778557
-C.5C847925
-0.46C4C344
C.7C681763
-C.52694702
-C.27293396

C.48582458
C.47926331
-C.44624329
C.70681763
C.16746094
-C.43841553
-0.43841553

C.52177429
C.51383472
-C.44219971
0.62033081
0.400690C2
-0.43841553
0.

0.49560547
-0.45159912
-0.65C26855
0.14746094
0.87351990
-0.52694702
0.

0.50321960
-0.56553650
-0.47459412
0.39627075
-0.43841553
-0.91926575
0.

COMPONENT 9. 1 G-WEIGHTS

C.35937354
C.54771423
-C.46405029
-C.49C44300
0.40374592
-C.87444763
-C.33229773

0.43060059
C.53309631
-0.48843384
C.60661316
0.50129700
-C.33229773
-C.33229773

0.51438904
0.48988342
-C.49189758
0.29078674
0.40002441
-C.61787415
0.

0.51327515
-0.50119019
-C.50642395
0.40394592
0.78195190
-C.71520996
0.

0.55023193
-0.55491638
-C.50189209
0.61053467
-0.50863447
-0.33229773
0.

COMPONENT 10. 1 G-WEIGHTS

C.49J17334
C.49319234
-0.57914978
-0.49294096
C.52505493
-C.44219971
-C.44219971

C.43234253
C.46305847
-0.43230957
0.82136536
C.82136536
-C.44219971
-C.45674133

C.55940247
0.46722412
-0.48783875
C.47122192
0.47122192
-0.45674133
0.

0.45896912
-0.49392226
-0.43817139
0.17491150
0.17491150
-0.51054382
0.

0.63497925
-0.58105449
-0.49409485
0.53959654
-0.44219971
-0.80685425
0.

COMPONENT 11. 1 G-WEIGHTS

C.44418335
C.43947583
-C.57476107
-C.57797241
C.60437012
-C.49035045
-C.49035645

0.43820190
0.78079224
-C.57376099
0.60437012
0.58163452
-C.59260559
-0.46606445

0.44644165
0.56918335
-0.57188416
0.60143713
0.48593140
-0.56503296
0.

0.43911743
-0.55981445
-0.56112145
0.51174927
0.
-0.46606445
0.

0.44206238
-0.58053589
0.
0.60437012
-0.46606445
-0.46278381
0.

COMPONENT 12. 1 G-WEIGHTS

C.50725370
0.52270317
-0.47215271
-C.45084570
C.49388123
-C.41775513
-C.64177759

0.51991272
0.51980591
-C.51057478
0.50337219
0.57019343
-C.64077759
-C.42951965

0.50491333
0.50277710
-0.49945068
0.42706299
0.58193970
-C.50582886
0.

0.51303101
-0.51840210
-0.52003479
0.57019643
0.49388123
-0.42951965
0.

0.40960693
-0.56764221
-0.45983807
0.35887144
-0.42951965
-0.50582886
0.

COMPONENT 13. 1 G-WEIGHTS

0.49900627
0.39435141
-0.44725537
-0.49400031
0.64209933
-0.40790005
-0.29156494

0.44743347
0.43013000
-0.51220052
0.23962622
0.04304473
-0.02170345
-0.29156494

0.49404033
0.39435141
-0.44725537
-0.49400031
0.64209933
-0.40790005
-0.29156494

0.56724540
-0.55102339
-0.44002202
0.49941162
0.23962622
-0.29156494
0.

0.55300730
-0.44007043
-0.41301013
0.27362622
-0.29156494
-0.47790005
0.

COMPONENT 14. 1 G-WEIGHTS

0.46763611
0.37790072
-0.34312134
-0.34968262
0.34627719
-0.37610713
-0.20657532

0.49754333
0.35002703
-0.44041355
0.20707006
0.63143021
-0.20657532
-0.20657532

0.44305193
0.32700151
-0.35047607
0.35791016
0.3409265
-0.20657532
0.

0.45503191
-0.47500964
-0.44054736
0.41964417
0.20747539
-0.03110046
0.

0.35040694
-0.53076172
-0.45265198
0.00920176
-0.04953735
-0.57610713
0.

COMPONENT 15. 1 G-WEIGHTS

0.49325562
0.40799979
-0.51313782
-0.51025301
0.59797660
-0.45697021
-0.34661089

0.40925741
0.44052351
-0.51073779
-0.44102505
0.49470624
-0.34661089
-0.34661089

0.55027332
0.50639343
-0.51965332
0.40504456
0.40504456
-0.34661089
0.

0.50030147
-0.30709368
-0.52313232
0.30720703
0.63405710
-0.35375977
0.

0.50337219
-0.50959941
-0.51702001
0.63244629
-0.50927734
-0.45697021
0.

COMPONENT 16. 1 G-WEIGHTS

0.49950195
0.33775024
-0.51122202
-0.52275005
0.61405291
-0.51707450
-0.44311523

0.52642022
0.55332947
-0.47979736
0.61405291
0.50920200
-0.50962030
-0.50962030

0.42927551
0.54760742
-0.52590942
0.50920200
0.10173210
-0.40397027
0.

0.44157410
-0.44759033
-0.45035076
0.13342205
0.49435120
-0.50962030
0.

0.47402954
-0.49736023
-0.53623962
0.50175659
-0.50962030
-0.51707450
0.

COMPONENT 17. 1 G-WEIGHTS

0.53744507
0.46184466
-0.45294109
-0.48096790
0.60343933
-0.37057495
-0.77066440

0.40603167
0.45675459
-0.49172974
0.35770009
0.60343933
-0.52500916
-0.34500934

0.45055713
0.33071594
-0.56294250
0.70263055
0.35770009
-0.34500934
0.

0.53402056
-0.52323914
-0.55054797
0.35770009
0.17050807
-0.34500934
0.

0.53260433
-0.46022034
-0.46003069
0.75707354
-0.34500934
-0.34500934
0.

COMPONENT 18. 1 G-WEIGHTS

0.40710262
0.51420393
-0.42265320
-0.50514221
0.19102478
-0.40097046
-0.40097046

0.49263090
0.52154541
-0.52757263
0.73490906
0.52703383
-0.41067505
-0.41067505

0.52371216
0.52110291
-0.51515198
0.40050459
0.71333313
-0.31755066
0.

0.44010406
-0.49436951
-0.49435425
0.76270607
0.22499004
-0.44305986
0.

0.49067688
-0.49362103
-0.54711914
0.43646240
-0.52405006
-0.00029749
0.

COMPONENT 19. 1 G-WEIGHTS

0.50408936
0.44793701
-0.51341240
-0.51091409
0.62690735
-0.41796475
-0.72436523

0.52272334
0.51901245
-0.40074341
0.33349609
0.65016174
-0.40771404
-0.44972229

0.47509766
0.52044678
-0.40135376
0.66091479
0.3524963
-0.69261169
0.

0.40440181
-0.55540466
-0.40437500
0.66091479
0.33349609
-0.44972229
0.

0.52563677
-0.40440552
-0.40097229
0.35224915
-0.44972229
-0.40771404
0.

COMPONENT 20. 1 G-WEIGHTS

0.53492737
0.53997063
-0.35201372
-0.53460693
0.50500408
-0.40602983
-0.01579590

0.45233154
0.52003911
-0.40546474
0.55000367
0.62022400
-0.70060730
-0.52201043

0.44737471
0.43630611
-0.50517273
0.69053210
0.32644653
-0.30240051
0.

0.50952148
-0.40992920
-0.59030151
0.69053210
0.21122742
-0.30240051
0.

0.53004456
-0.51623535
-0.52523330
0.30032532
-0.30240051
-0.40602983
0.

COMPONENT 21. 1 G-WEIGHTS

0.40450062
0.52140308
-0.53060542
-0.51300049
0.43914793
-0.53190549
-0.50471252

0.53020070
0.49421692
-0.50314331
0.60460945
0.40495300
-0.53190549
-0.53190549

0.47007312
0.47006877
-0.50515747
0.53936760
0.62430965
-0.49739075
0.

0.44960022
-0.49916077
-0.43502153
0.39741516
0.55706787
-0.35543023
0.

0.50454358
-0.49970630
-0.51204790
0.43054199
-0.50471252
-0.42276001
0.

COMPONENT 22. 1 G-WEIGHTS

0.47317505
0.52630615
-0.51209360
-0.51209360
0.30121333
-0.53262756
-0.53262756

0.47496360
0.47317505
-0.40350154
0.29391479
0.25959778
-0.53262756
-0.53262756

0.47317505
0.49061584
-0.51209360
0.59102739
0.55751030
-0.43990704
0.

0.47317505
-0.45630091
-0.51209360
0.59102739
0.64405991
-0.34201050
0.

0.61344800
-0.49377332
-0.51209360
0.67912292
-0.55262756
-0.25473022
0.

COMPONENT 23. 1 G-WEIGHTS

0.49805127	0.51022208	0.49319294	0.50827446	0.49320903
0.49765015	0.50926208	0.51349204	-0.50617081	-0.46290645
-0.49147034	-0.49481201	-0.51576233	-0.49456787	-0.50002923
-0.51277161	0.44922302	0.44922302	0.61628613	0.40989945
0.43711853	0.49534407	0.57518085	0.44953337	-0.53760921
-0.45614268	-0.50550472	-0.50550472	-0.50550472	-0.50550472
-0.50550472	-0.47769 1	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.52131653	0.56222534	0.55413818	0.50107117	0.56611633
0.54000484	0.56222534	0.59236450	-0.49709429	-0.48121643
-0.44924927	-0.46253967	-0.50054932	-0.45495405	-0.46306363
-0.68954468	0.27696228	0.00039722	0.50316162	0.25130395
0.03662415	0.00039722	0.50316162	0.25130395	-0.50432262
-0.33447266	-0.33447266	-0.92010490	-0.96917950	-0.50432262
-0.33447266	-0.33447266	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.52438354	0.49153137	0.50995283	0.49828386	0.50998515
0.48939514	0.48565674	0.50049915	-0.49859042	-0.49130249
-0.52175903	-0.48588562	-0.47770844	-0.48682295	-0.51908075
-0.52420044	0.55673218	0.50634764	0.43031311	0.57316095
0.55673218	0.43031311	0.57293701	0.57293701	-0.50040445
-0.44354249	-0.45028687	-0.57672119	-0.63366536	-0.45028687
-0.50040445	-0.44354249	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.52120972	0.50466809	0.51208494	0.50904192	0.50562061
0.49891663	0.50274650	0.44203186	-0.48030444	-0.49913025
-0.49951195	-0.50740951	-0.50679016	-0.51232916	-0.49094714
-0.50439453	0.40161133	0.50630655	0.56039429	0.57766724
0.37264437	0.56005859	0.53138733	0.40635681	-0.44662476
-0.44662476	-0.47529602	-0.45002307	-0.61683655	-0.63410950
-0.44662476	-0.47529602	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.41993713	0.42788696	0.49549864	0.49264526	0.52678501
0.46955564	0.48944092	0.47338538	-0.49444580	-0.50039233
-0.49890337	-0.49012756	-0.50573730	-0.50231934	-0.44642320
-0.53298930	0.29255676	0.50876039	0.84877014	0.52210999
0.17008972	0.58876038	0.17008972	0.81799316	-0.53961182
-0.73837280	-0.21295166	-0.53961182	-0.73837280	-0.53961182
-0.18217468	-0.50883484	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.50088561	0.38415527	0.49107361	0.46862793	0.63000909
0.54156494	0.49107361	0.49107361	-0.48078918	-0.50230311
-0.43732308	-0.47289884	-0.52168274	-0.49752808	-0.50465120
-0.51997375	0.50595093	0.23960874	0.54484558	0.61118774
0.52795383	0.26071167	0.56394958	0.54615784	-0.69235229
-0.16297913	-0.71345520	-0.42932129	-0.71345520	-0.42932129
-0.42932129	-0.42932129	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.55003357	0.51062012	0.50665283	0.51264954	0.48689270
0.48213136	0.47547913	0.47476196	-0.47544861	-0.52689253
-0.52622986	-0.49682617	-0.48983765	-0.49453735	-0.50737080
-0.48247964	0.46360779	0.50271912	0.53548039	0.64248657
0.32205200	0.48159790	0.57219933	0.67927551	-0.49012756
-0.45555796	-0.45565796	-0.50811768	-0.64230635	-0.50946045
-0.45555796	-0.45565796	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.46203613	0.45173645	0.81024170	0.45703125	0.43937683
0.46691468	0.44398499	0.46870422	-0.57539368	-0.50523376
-0.50756836	-0.23304749	-0.53930644	-0.49752808	-0.57521057
-0.56593323	0.31069946	0.	0.66181946	0.44319043
0.44165039	0.66181946	0.91335449	0.66535950	-0.72598267
-0.34883221	-0.34889221	-0.72238159	-0.50260925	-0.34889221
-0.44900818	-0.50260925	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.50135203	0.52544692	0.53054810	0.43624033	0.44925354
0.47769165	0.53533936	0.52326965	-0.52262878	-0.52311787
-0.52139282	-0.36512756	-0.46221924	-0.50125122	-0.56211053
-0.54129028	0.35043335	0.57394409	0.57394409	0.53935242
0.57160950	0.38269043	0.40919495	0.59811401	-0.13145447
-0.32035828	-0.55560303	-0.74450684	-0.55325317	-0.58784485
-0.55325317	-0.55325317	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.50170998	0.47512617	0.47930908	0.47996521	0.59686934
0.48035703	0.51080322	0.47575853	-0.52998352	-0.44967871
-0.53152466	-0.51762390	-0.41445759	-0.53620911	-0.49296570
-0.53100386	0.34031677	0.38847351	0.56553650	0.56713867
0.50357056	0.50196838	0.56553650	0.56713867	-0.38444049
-0.54931641	-0.48414612	-0.49955750	-0.54771423	-0.49955750
-0.54931641	-0.48574829	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49717924	0.49710003	0.4986240	0.51071167	0.49761063
0.49945068	0.50134277	0.49757305	-0.51684096	-0.50132751
-0.48759624	-0.51684570	-0.51696777	-0.42858807	-0.51643572
-0.51533188	0.42195129	0.41873160	0.44834908	0.50954989
0.49673462	0.50634949	0.50954904	0.44834908	-0.52359537
-0.52677917	-0.49716187	-0.49716187	-0.40432749	-0.52677917
-0.49716187	-0.52677917	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.50519799	0.44003723	0.52345276	0.54061898	0.50242615
0.44693420	0.51315308	0.40724365	-0.49871826	-0.51097167
-0.50837708	-0.49539185	-0.46292114	-0.52392578	-0.49549064
-0.50321400	0.55247498	0.71720886	0.51539612	0.44701494
0.47104279	0.47296143	0.4629138	0.65713501	-0.49227905
-0.45410156	-0.49227905	-0.45316968	-0.29045105	-0.49227905
-0.55906223	-0.76275635	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.47479649	0.49941748	0.49291792	0.48044918	0.47520447
0.48622605	0.47991943	0.61212158	-0.48712158	-0.50697327
-0.50042749	-0.52244094	-0.42791748	-0.51640320	-0.52255249
-0.50923157	0.74700405	0.	0.87512207	0.87512207
0.	0.74998045	0.	0.74998045	-0.50317383
-0.54071045	-0.54071045	0.	-0.54071045	-0.62486267
-0.62486267	-0.62486267	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.38209534	0.43191528	1.00500000	0.40957642	0.52087402
0.42559014	0.41134444	0.41847755	-0.53189087	-0.50656763
-0.52568054	-0.53138733	-0.53001404	-0.38246155	-0.57402039
-0.62344366	0.82966614	0.13600159	0.15541077	0.84907532
0.82966614	0.23733521	0.15541077	0.89717468	-0.63261414
-0.53099460	-0.53099460	0.	-0.63261414	-0.53099460
-0.53099460	-0.61070251	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.56644475	0.56472778	0.58250427	0.42498779	0.48046875
0.59095764	0.45599365	0.33277593	-0.44822693	-0.51097107
-0.44588748	-0.50131226	-0.52809143	-0.54180908	-0.47128296
-0.55163574	0.61050110	0.64796448	0.35183716	0.64796448
0.18930054	0.35183716	0.18930054	0.81050110	-0.23847961
-0.54251099	-0.83859253	-0.37995911	-0.23847961	-0.54251099
-0.83859253	-0.37995911	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.53350830	0.46186529	0.56347656	0.46186529	0.48246765
0.48211670	0.46186529	0.55250549	-0.45987756	-0.64268494
-0.49205127	-0.49005127	-0.48913574	-0.49450684	-0.47097778
-0.46333313	0.36177117	0.63198353	0.43466187	0.43466187
0.30694520	0.63786316	0.77146912	0.48097229	-0.51647969
-0.52236738	-0.67002869	-0.52236938	-0.52236938	-0.20150757
-0.52236738	-0.52236938	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.57411387	0.50550593	0.50219201	0.48925781	0.51382446
0.52775574	0.44593911	0.51031494	-0.52493286	-0.52856445
-0.34291921	-0.52873230	-0.52172552	-0.51692200	-0.52378845
-0.51202193	0.42146301	0.56831360	0.63781738	0.36506653
0.55831360	0.36506653	0.37922668	0.69421387	-0.50022888
-0.53399282	-0.56973267	-0.38064575	-0.31114197	-0.50022888
-0.53399282	-0.56973267	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.50930786	0.47196960	0.48792920	0.50146484	0.52516174
0.49514771	0.51687622	0.48973083	-0.50709534	-0.50187683
-0.50143433	-0.50201416	-0.44633494	-0.53684523	-0.50201416
-0.50201416	0.48870850	0.48692322	0.59138439	0.50889587
0.47434320	0.50889587	0.48970850	0.52143860	-0.46080017
-0.56124658	-0.48098755	-0.48098755	-0.48275757	-0.56524658
-0.48098755	-0.48275757	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.49946594	0.51536560	0.48670959	0.50082397	0.53115845
0.45993242	0.49934387	0.50657654	-0.49340820	-0.51829529
-0.48316936	-0.53315735	-0.46737671	-0.48367310	-0.49987793
-0.52047729	0.58305359	0.58305359	0.45640564	0.35119629
0.59837891	0.46173096	0.35652161	0.61894226	-0.42346191
-0.42346191	-0.55010986	-0.42346191	-0.42346191	-0.55010986
-0.55010986	-0.65533447	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.47715759	0.47982788	0.51995450	0.50451660	0.45747375
0.5721741	0.53327942	0.51995450	-0.47120667	-0.47752330
-0.48477173	-0.48422131	-0.52296448	-0.50184631	-0.53425598
-0.52075618	0.56469727	0.65629052	0.65629052	0.26989746
0.56469727	0.65629052	0.36143071	0.26989746	-0.68666077
-0.39189148	-0.39189148	-0.77924402	-0.48347473	-0.39189148
-0.39189148	-0.48347473	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.57720577 0.43246460
C.41572571 0.44503130
-C.50566309 -0.49205009
-C.44712666 C.63977051
C.41372726 0.63374329
-C.43793776 -0.64461245
-C.64401245 -0.43795776

C.44757971
C.43090820
-0.51011218
0.63977051
0.63374329
-0.52177429
0.

0.41696167
-0.50010601
-0.48646545
0.50755493
0.
-0.43795776
0.

0.83229005
-0.51342773
-0.53404072
0.44099083
-0.43795776
-0.43795776
0.

COMPONENT 44. 1 G-WEIGHTS

0.52401733 0.49995422
0.44252319 0.51005354
-C.21910750 -0.51567078
-C.48569674 C.50290945
0.35574141 0.45210370
-C.31955725 -C.43135271
-C.43115771 -C.44040633

0.40054504
C.51053343
-C.40295593
C.54722960
0.9398293
-C.44040633
C.

0.49340020
-0.50514221
-0.53414017
0.60049047
0.52224731
-0.60406677
0.

0.40000000
-0.47040787
-0.44040633
0.91132305
-0.44540633
-0.43135071
0.

COMPONENT 45. 1 G-WEIGHTS

C.54350201 0.42066516
C.51911926 0.53315735
-0.45661426 -0.44963774
-C.64756773 0.36407665
0.27239350 C.6075912
-C.42574170 -0.83073425
-C.44654236 -0.33449219

0.49500303
0.51271057
-C.44174194
0.32104490
C.79644978
-0.39647000
C.

0.49646143
-0.53025010
-C.44964024
0.73295993
0.23668335
-0.30001340
0.

0.44000000
-0.45227051
-0.52459466
0.70130343
-0.39647000
-0.30001340
0.

COMPONENT 46. 1 G-WEIGHTS

C.52777100 C.44903564
C.44637720 C.52255249
-0.40510742 -0.49415500
-C.44683275 0.70945740
C.37225515 0.49055127
-0.40379333 -C.40379333
-0.40379333 -C.76724487

C.55049133
C.53044120
-C.44641060
C.24300493
0.65222160
-0.86963054
0.

C.50782776
-0.54533013
-0.53617059
0.67353021
C.10650921
-0.40379333
0.

0.43057251
-0.40425103
-0.47703325
0.67353021
-0.40379333
-0.40379333
0.

COMPONENT 47. 1 G-WEIGHTS

C.52011008 0.51710140
C.49767599 C.49629211
-0.50259199 -0.51292419
-C.49655151 C.31480037
C.43391614 0.43341064
-C.73444002 -C.41407776
-C.57336426 -C.42912292

0.51139032
0.49420166
-C.47991943
C.43341064
0.57766724
-0.42912292
C.

0.52297974
-0.50773621
-0.49633099
0.50269714
C.63363530
-0.41407776
0.

0.44057134
-0.40005237
-0.51710510
0.57766724
-0.43100047
-0.57207590
0.

COMPONENT 48. 1 G-WEIGHTS

C.43309411 C.51687622
0.50326538 0.51341248
-0.16754100 -C.64250183
-C.47485352 C.17419434
0.94073486 0.52746502
-C.42176019 -C.42176019
-C.42176329 -C.77650081

0.44508389
0.42280379
-C.54629517
0.54033325
0.14764421
-0.77650091
C.

0.51649475
-C.51501465
-0.52306475
0.50107683
0.50746338
-0.34320125
0.

0.50140400
-0.50504167
-0.54300700
0.54033325
-0.39619444
-0.42176019
0.

COMPONENT 49. 1 G-WEIGHTS

C.43373003 C.50512695
0.51921082 0.52111816
-C.53094492 -C.51779175
-0.46649853 C.46507263
0.32502747 0.79040527
-0.36035156 -0.87380981
-0.36035156 -C.51290523

0.52040100
0.51303972
-C.51347351
0.10414124
0.82022095
-0.75097656
C.

0.39071655
-0.52207947
-0.52142334
0.22700500
0.42948914
-0.39015190
0.

0.53009302
-C.44523574
-0.46322632
0.83606779
-0.39015190
-0.36035156
0.

COMPONENT 50. 1 G-WEIGHTS

C.49833679 C.53851310
C.53842517 0.52065613
-0.47979546 -0.54222107
-C.47662354 C.45761100
C.37296309 0.63804626
-0.36053467 -0.63410950
-0.63410950 -0.64462280

0.51450740
0.47164917
-C.47079468
0.66705322
C.35395413
-0.36053467
C.

C.40274231
-0.54420101
-0.40631207
C.66705322
0.43911743
-0.36053467
0.

0.45300320
-0.40191033
-0.51011210
0.39347839
-0.64462280
-0.36053467
0.

COMPONENT 51. 1 G-WEIGHTS

0.55560303 0.50363049
0.46835327 0.47657776
-0.54031372 -0.49579857
-0.51564026 C.41578674
C.41573674 0.55857849
-0.49636841 0.49636841
-0.49636841 -C.49636841

0.50543049
0.50563049
-0.40768433
C.44434814
0.33001709
-C.35359192
C.

0.40009160
-0.53291321
-0.53067017
0.55857849
0.66000000
-0.58213006
0.

0.49334717
-0.44006121
-0.51564026
0.41578674
-0.58213006
-0.49636841
0.

COMPONENT 52. 1 G-WEIGHTS

0.40315247 C.53862427
0.53247070 C.49637008
-0.45043345 -0.46781921
-0.45233154 0.37481689
C.24537659 0.79467773
-0.35354614 -C.81579590
-0.81579590 -C.47683716

0.50904046
C.56692505
-0.58009338
0.25152588
C.33245850
-0.47683716
C.

0.40527344
-0.45025195
-0.55731201
C.83000604
0.80082703
-0.35354614
0.

0.53019714
-0.56101990
-0.47203064
0.36066760
-0.35354614
-0.35354614
0.

COMPONENT 53. 1 G-WEIGHTS

0.51007509
0.50570679
-0.54206196
-0.46394775
0.52446108
-0.40770822
-0.40670822

C.49770850
C.49270816
-C.47670840
-0.41408425
0.50942400
-0.40870822
-C.42019214

0.49624063
0.40810070
-0.52410009
0.61935425
0.62500665
-C.70000781
0.

0.49777549
-0.45610646
-0.46770832
0.27420044
0.60624272
-0.75307573
0.

0.50603404
-0.40420071
-0.54417419
0.37000778
-0.47400006
-0.40170822
0.

COMPONENT 54. 1 G-WEIGHTS

0.40222351
0.40307146
-0.50773651
-0.50004130
0.47001310
-0.50160400
-C.53515625

0.53004000
0.47307372
-0.50942400
0.62523004
0.76774597
-0.54323242
-0.50160400

0.54501343
0.40437500
-0.50241009
0.74362183
0.47323134
-0.20260003
0.

0.50990295
-0.45077515
-0.50770349
0.77000781
0.22241211
-0.56323242
0.

0.40222351
-0.50773651
-0.50502006
0.52103713
-0.50160400
-0.51060420
0.

COMPONENT 55. 1 G-WEIGHTS

0.54242615
0.54129020
-0.50295994
-0.49549044
0.50343323
-0.46667403
-0.45420037

C.40391724
0.47473165
-0.50016345
0.37777332
0.51007701
-0.37340938
-C.46667400

0.44831940
0.47050476
-0.50907244
0.54370117
0.59009661
-0.56570435
C.

0.52523004
-0.45141602
-0.50122070
C.63000660
0.59066630
-0.71162415
0.

0.55274963
-0.56411007
-0.52702332
0.44465637
-0.45470037
-0.50604275
0.

COMPONENT 56. 1 G-WEIGHTS

0.48244441
C.44505247
-0.52914429
-C.40735446
C.76333191
-0.34113601
-C.49530105

0.40001099
C.54510490
-C.54573501
0.76623374
0.74003111
-0.34113601
-0.37100721

C.54716492
0.47703549
-0.40001152
0.23415910
C.61100779
-0.49530105
0.

0.54510490
-0.45049609
-0.45573425
0.24401055
0.24401055
-0.07124634
0.

0.49613953
-0.44232170
-C.46000206
0.56749260
-0.74100232
-0.34113601
0.

COMPONENT 57. 1 G-WEIGHTS

0.40001099
C.40663730
-0.53041.77
-C.47413635
0.67775291
-0.54960796
-0.54960796

0.40001099
0.56343079
-C.39200054
0.54649353
0.59573505
-C.54960796
-C.63525301

0.40001099
0.49946594
-C.40411560
0.63235940
C.30503.91
-C.35165405
0.

0.47076416
-0.53040267
-0.53271404
0.50790710
0.54441833
-0.54960796
0.

0.53932190
-C.53271404
-0.51014490
0.59150696
-0.26500011
-0.54960796
0.

COMPONENT 58. 1 G-WEIGHTS

0.47949214
0.40675537
-0.50990770
-0.47506741
0.51607952
-0.50570820
-0.40716736

C.55310214
0.49519340
-0.46303667
C.62922660
0.41207806
-0.40716736
-C.50590320

C.51635742
0.40019409
-0.50463067
0.39329529
0.61953735
0.39329529
-0.5003662
C.

0.50401306
-0.51640156
-0.51235962
0.61953735
0.62922660
-0.45069446
0.

0.40442078
-0.51033020
-0.50405774
0.41207806
-0.45069446
-0.50590320
0.

COMPONENT 59. 1 G-WEIGHTS

C.2.10725
C.52558399
-0.47151104
-0.46775910
0.27070179
-0.39675903
-C.39675903

0.42919922
C.51339722
-0.50457764
0.65759277
0.50113090
-0.39675903
-0.39675903

C.50000716
C.54371643
-0.56092395
0.35516357
C.30996179
-0.69920349
0.

C.44555774
-0.46430909
-0.47370911
0.69139099
0.65759277
-0.39675903
0.

C.51162720
-0.47034778
-0.57030079
0.30096179
-0.80946350
-0.50701904
0.

COMPONENT 60. 1 G-WEIGHTS

0.49805559
0.50000000
-0.40477173
-0.52244560
C.40756220
-0.53550350
-0.39550781

0.49815369
0.50304521
-0.52012195
0.46000232
0.37344360
-0.53062000
-0.53062000

C.5251.648
C.40007471
-0.52757263
0.4790.442
0.50007795
-0.53550350
0.

0.49800606
-0.41250610
-0.51946547
0.62214661
C.51351929
-0.53550350
0.

0.49456787
-0.52975464
-0.47477722
0.54763794
-C.59906006
-0.32090309
0.

COMPONENT 61. 1 G-WEIGHTS

0.84043462
0.47433575
-0.52716364
-0.40435974
0.57707214
-0.37046375
-0.63713074

0.46092224
0.44177246
-0.51988220
0.57707214
0.78959656
-0.94636536
-0.40757751

0.39274597
0.46086121
-0.51200067
0.78959656
0.22492001
-0.40757751
C.

0.47216797
-0.51061572
-0.51327515
0.81669617
0.
-0.40757751
0.

0.45597839
-0.51022339
-0.41300310
0.22492001
-0.40757751
-0.40757751
0.

COMPONENT 62. 1 G-WEIGHTS

0.51361004
0.42721550
-C.49662701
-0.51444844
0.54020251
-0.61759949
-0.44613173

0.50703430
0.51361004
-C.51020413
0.54020251
0.54020251
-0.53375244
-0.61759949

0.40735046
0.54325067
-C.51223755
0.37675476
0.37675476
-0.44613173
0.

0.51361004
-0.44834900
-C.49942017
0.46060101
0.50080432
-0.44613173
0.

0.49397278
-0.49862671
-0.51945496
0.63204956
-0.44613173
-0.44613173
0.

604	COMPONENT 63.1 G-WEIGHTS				
671	0.50896536	0.4113464	0.49299464	0.51228333	0.50638724
689	0.49264.32	0.51138386	0.49793250	-0.49995732	-0.48098423
678	-0.49418640	-0.5214020	-0.47005571	-0.52616082	-0.50722364
686	-0.47332.27	0.50897217	0.54966736	0.46377563	0.53267997
622	-0.47137870	0.44618225	0.44618225	0.56130901	-0.47957012
	-0.52456465	-0.5214020	-0.47937312	-0.47937012	0.
	-0.52456465	-0.5214020	0.	0.	0.
351	COMPONENT 64.1 G-WEIGHTS				
517	0.49267742	0.51469621	0.48941048	0.48941048	0.48941048
606	0.49725342	0.51050410	0.50094165	-0.51356934	-0.51356934
713	-0.53416443	-0.53230706	-0.51500440	-0.44518315	-0.44518315
606	-0.52516374	0.54214470	0.45812900	0.56744305	0.56744305
620	0.48342096	0.48342096	0.55371094	0.52941187	0.52941187
	-0.61135131	-0.52796550	-0.52796550	-0.53639536	-0.53639536
	-0.52796550	-0.52796550	0.	0.	0.
163	COMPONENT 65.1 G-WEIGHTS				
167	0.52536411	0.51957703	0.51959229	0.41170094	0.55216900
132	0.44749451	0.54472351	0.47040511	-0.44139899	-0.44139899
137	-0.51807432	-0.43310032	-0.42680152	-0.52101135	-0.52101135
137	-0.42832947	0.03132935	0.15722654	0.75009155	0.46121994
175	0.42439198	0.77280086	0.35390865	0.37767829	0.37767829
	-0.72300747	-0.70019531	-0.37500000	-0.37500000	-0.37500000
	-0.37500000	-0.37500000	0.	0.	0.
153	COMPONENT 66.1 G-WEIGHTS				
178	0.73133564	0.47673145	0.44506036	0.42318726	0.42318726
186	0.53223935	0.47969755	0.47937312	-0.53533772	-0.53533772
160	-0.47628894	-0.51130676	-0.50369263	-0.52931213	-0.52931213
132	-0.49864197	0.37113953	0.40443115	0.70565532	0.70565532
181	0.41435022	0.47204590	0.50793457	0.44715094	0.44715094
	-0.80221559	-0.38821411	-0.51265444	-0.43835676	-0.43835676
	-0.51735444	-0.50731079	0.	0.	0.
90	COMPONENT 67.1 G-WEIGHTS				
84	0.52450502	0.49661255	0.51918030	0.55601501	0.44500242
90	0.43539429	0.50816345	0.51362610	-0.47270209	-0.47270209
96	-0.49555151	-0.47650144	-0.50285555	-0.40409300	-0.40409300
111	-0.47967529	0.47775269	0.73381042	0.73381042	0.73381042
96	0.47059326	0.16857910	0.52194214	0.22825623	0.22825623
	-0.35372925	-0.37326050	-0.35372925	-0.35372925	-0.35372925
	-0.91896457	-0.62527466	0.	0.	0.
78	COMPONENT 68.1 G-WEIGHTS				
74	0.49984033	0.53935242	0.49639893	0.48571777	0.48571777
46	0.47365434	0.49459939	0.49598494	-0.50091553	-0.50091553
28	-0.50799070	-0.51107700	-0.50709534	-0.50399700	-0.50399700
	-0.49664307	0.53916931	0.50671387	0.1481018	0.53916931
	0.459.6257	0.46176147	0.53916931	0.53916931	0.53916931
	-0.51470747	-0.51269531	-0.43528748	-0.51470947	-0.51470947
	-0.55964661	-0.43528748	0.	0.	0.
20	COMPONENT 69.1 G-WEIGHTS				
79	0.48475047	0.48896790	0.47705078	0.45521545	0.52379793
79	0.49066711	0.55195614	0.53672791	-0.42028009	-0.42028009
50	-0.53630.66	-0.51919354	-0.50541870	-0.49774170	-0.49774170
04	-0.44502258	0.25061035	0.29292297	0.88893144	0.27465820
	0.58277993	0.88278325	0.26869202	0.55073100	-0.55073100
	-0.85873517	-0.58676147	-0.28715515	-0.35958862	-0.35958862
	-0.267155.5	-0.35958862	0.	0.	0.
17	COMPONENT 70.1 G-WEIGHTS				
12	0.51736450	0.52410089	0.52108765	0.47508240	0.51765442
14	0.52207747	0.49504454	0.51736450	-0.50442505	-0.50442505
14	-0.51057680	-0.50378418	-0.50119019	-0.50442505	-0.50442505
19	-0.37472534	0.43302917	0.19030762	0.54487927	0.54487927
	0.45422363	0.21150200	0.54568481	0.78848637	0.78848637
	-0.79641396	-0.44146729	-0.44146729	-0.44146729	-0.44146729
	-0.44146729	-0.44146729	0.	0.	0.
19	COMPONENT 71.1 G-WEIGHTS				
11	0.43575806	0.50000300	0.54000484	0.53306105	0.51525079
11	0.53868133	0.41082764	0.46548462	-0.49760437	-0.53524700
11	-0.47475093	-0.46833801	-0.53742981	-0.47448730	-0.47448730
	-0.53477314	0.48463135	0.38372803	0.18772880	0.39552307
	0.65156555	0.44377134	0.63977051	0.61251831	0.70963887
	-0.38168335	-0.40893555	-0.38947754	-0.70963887	-0.70963887
	-0.43893555	-0.40893555	0.	0.	0.
78	COMPONENT 72.1 G-WEIGHTS				
16	0.50734102	0.50030510	0.52997723	0.51347351	0.45485933
16	0.44667053	0.54650979	0.49998474	-0.56166077	-0.47970501
3	-0.48355103	-0.48303223	-0.46444339	-0.56733704	-0.48455011
3	-0.47485352	0.28959656	0.88058777	0.67271423	0.34440132
	0.33546448	0.56358501	0.55551147	0.55551147	-0.36213404
	-0.70726013	-0.43003845	-0.77516174	-0.43003845	-0.43791199
	-0.43791199	-0.43791199	0.	0.	0.

0-56830160
0-73770683
0-52823975
0-39767620
0-29975991
0-56312900
0-07932801
C-57877563
0-24460994
0-67854749
0-04465327
0-59562320
0-23179934
-0-63146973
-0-47941215
-0-96276895
-0-01465759
-C-37653115
-C-89964044
-C-24909973
-0-50096051
-0-37261963
-0-30249623
-C-34643804
-C-01939392
-C-45996592

C.504CC-08
 G.14438293
 G.04970943
 C.54742432
 G.73753704
 G.47151.94
 G.00187.50
 G.55272.312
 G.55413708
 G.61474459
 G.24045723
 G.1C340E11
 G.47073596
 -3.60406630
 -0.60423104
 -3.41911.916
 -0.17379741
 -C.27059497
 -0.5321C076
 -G.78437407
 -G.5C436491
 -0.11798214
 -0.67C71133
 -0.04732483
 -0.40223474
 -C.24412537

NJMPS-0400C200012 NCVCS-000000C30C13 INDICT-00300006001

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -6.24356610
.. CONTROL=C79000C00001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35375324
.. CONTROL=0JJC00C00003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.46394038
.. CONTROL=C033300C0C03
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40804601
.. CONTROL=0JJC-C00G0037
.. 4.9185 CHANGES

```

LEVEL 1 MS = 0.0999799 BIAS = -0.42984691

[illegible]

[illegible]

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22849435
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49702514
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58555594
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.58555594

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0382764	8. 1	0.	9. 1	0.	10. 1	0.5441364
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0814841	19. 1	0.	20. 1	0.
21. 1	0.2465539	22. 1	0.6840737	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5586028	29. 1	0.0730031	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6418587	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4051171	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.6194390	58. 1	0.1787312	59. 1	0.	60. 1	0.2718574
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3734806
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.24629194
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.24629194

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0030128	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.20501								
SUM NC. 2 IS	0.								

*** 34 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44836032
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.91229136
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37622240
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14425689
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.14425689

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1488269	4. 1	0.5572933	5. 1	0.0810054
6. 1	0.0160279	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8161384
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3709355	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0979425	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2624723	29. 1	0.2421844	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.5937308
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2232583	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0525847	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0149882	60. 1	0.3768460
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.39403596
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.68440296
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53921941
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.53921941

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2048695	2. 2	0.7511477	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.20487								
SUM NC. 2 IS	0.75115								

*** 35 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.0358748
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.10082969
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06833369
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.08458167
 ** CONTROL=00000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.08458167

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0500013	4. 1	0.0876087	5. 1	0.
6. 1	0.	7. 1	0.1289284	8. 1	0.1203622	9. 1	0.3995843	10. 1	0.1436842
11. 1	0.	12. 1	0.0853782	13. 1	0.	14. 1	0.2614373	15. 1	0.
16. 1	0.2542184	17. 1	0.0468329	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0599887	22. 1	0.1270768	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2314907	27. 1	0.2596808	28. 1	0.1491002	29. 1	0.	30. 1	0.0273492
31. 1	0.2989445	32. 1	0.	33. 1	0.	34. 1	0.0557382	35. 1	0.
36. 1	0.	37. 1	0.3599121	38. 1	0.	39. 1	0.0642468	40. 1	0.0648032
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.1663220	45. 1	0.
46. 1	0.	47. 1	0.1325654	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.1913864	52. 1	0.0623796	53. 1	0.0226844	54. 1	0.	55. 1	0.0000739
56. 1	0.	57. 1	0.1033087	58. 1	0.1821493	59. 1	0.	60. 1	0.
61. 1	0.2761155	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1889158
66. 1	0.	67. 1	0.1577379	68. 1	0.	69. 1	0.0175634	70. 1	0.
71. 1	0.0742878	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.48160715
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89240590
** CONTROL=000000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.68700653
** CONTROL=000000000007
3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.68700653

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7237922	2. 2	0.2436128	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.72379
SUM NO. 2 IS 0.24361

*** 36 INPUT M4 IDENTIFICATION CORRECT
MINPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37577376
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85049988
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32522601
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08786295
** CONTROL=000000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.08786295

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.7117783	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4176257
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1310723	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0855175	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0525617	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4866238	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.5737063
46. 1	0.074669	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2109623
51. 1	0.541969	52. 1	0.2631574	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6316697	68. 1	0.	69. 1	0.3638797	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.49113533
** CONTROL=000000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.99556766
** CONTROL=000000000007
3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.99556766

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2248962	2. 2	0.8308826	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.22490
SUM NO. 2 IS 0.83088

*** 37 INPUT V4 IDENTIFICATION CORRECT
MINPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.83818209
** CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.02325770
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.61579551
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41206442
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.31019887
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.36113164
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38659802
** CONTROL=000000000007

BIAS CHANGES

LEVEL 1 MS = C.C9999999 BIAS = 0.38659802

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.1715995	2. 1	0.	3. 1	C.0774611	4. 1	0.3104640	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1833291	10. 1	0.
11. 1	C.1995313	12. 1	0.1505609	13. 1	0.	14. 1	0.2603603	15. 1	0.0996080
16. 1	C.2466354	17. 1	0.1349510	18. 1	C.727470	19. 1	0.0147049	20. 1	0.0842528
21. 1	0.	22. 1	0.	23. 1	C.1375074	24. 1	0.0347502	25. 1	0.
26. 1	0.2317759	27. 1	0.	28. 1	0.	29. 1	0.0543308	30. 1	0.406806
31. 1	C.2082074	32. 1	0.0591383	33. 1	0.	34. 1	0.0753122	35. 1	0.
36. 1	0.	37. 1	0.0236425	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0528677	42. 1	0.0193481	43. 1	0.1789190	44. 1	0.0598589	45. 1	0.
46. 1	0.	47. 1	0.1123761	48. 1	0.	49. 1	0.0919503	50. 1	0.1058495
51. 1	0.	52. 1	0.1604787	53. 1	0.1648125	54. 1	0.	55. 1	0.2390453
56. 1	0.1299561	57. 1	0.	58. 1	0.	59. 1	0.1257975	60. 1	0.
61. 1	0.0798535	62. 1	0.	63. 1	0.1545252	64. 1	0.	65. 1	0.1260131
66. 1	0.	67. 1	0.0042382	68. 1	C.0205477	69. 1	0.	70. 1	0.
71. 1	0.1647178	72. 1	0.1415942	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

CONTROL=C000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.22536066

CONTROL=C000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.06268033

CONTROL=C000000007

3 BIAS CHANGES

LEVEL 2 MS = C. BIAS = 0.86268033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.1091077	2. 2	0.7707235	0. 0	0.	0. 0	0.	0. 0	0.

SUM MC. 1 IS 0.10919
SUM MC. 2 IS 0.77072

*** 38 INPUT M4 IDENTIFICATION INCORRECT.
MINPS=0000000004 NCVC5=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443

CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330

CONTROL=C000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103

CONTROL=C000000001

3 BIAS CHANGES

LEVEL 1 MS = 0.C9999999 BIAS = 0.48611103

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.087473.	2. 1	0.0384757	3. 1	0.0957556	4. 1	0.0988976	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1010224	10. 1	0.
11. 1	0.0964373	12. 1	0.0658917	13. 1	0.0282693	14. 1	0.0948724	15. 1	0.0853418
16. 1	0.1310233	17. 1	0.1105480	18. 1	0.1079959	19. 1	0.0976161	20. 1	0.0983648
21. 1	0.	22. 1	0.	23. 1	0.1396783	24. 1	0.1047226	25. 1	0.0508989
26. 1	0.1323314	27. 1	0.	28. 1	0.	29. 1	0.0954274	30. 1	0.1046454
31. 1	0.0628774	32. 1	0.1078909	33. 1	0.	34. 1	0.0934820	35. 1	0.
36. 1	0.	37. 1	0.1197907	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0805197	42. 1	0.0853071	43. 1	0.1151429	44. 1	0.1018918	45. 1	0.0578107
46. 1	0.0608591	47. 1	0.1267627	48. 1	0.	49. 1	0.1091006	50. 1	0.0780173
51. 1	0.	52. 1	0.1069802	53. 1	0.1026783	54. 1	0.	55. 1	0.1296168
56. 1	0.0929769	57. 1	0.	58. 1	0.	59. 1	0.1318584	60. 1	0.
61. 1	0.1278801	62. 1	0.	63. 1	0.0911640	64. 1	0.0674313	65. 1	0.1145976
66. 1	0.0632122	67. 1	0.1204472	68. 1	0.0772716	69. 1	0.0986374	70. 1	0.
71. 1	0.0951318	72. 1	0.0655438	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

CONTROL=C000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.64765422

CONTROL=C000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07382712

CONTROL=C000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.78491357

CONTROL=C000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.93037035

CONTROL=C000000007

5 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.93037035

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9039120	2. 2	0.7338371	0. 0	0.	0. 0	0.	0. 0	0.

SUM MC. 1 IS 0.30391
SUM MC. 2 IS 0.73383

*** 39 INPUT M4 IDENTIFICATION INCORRECT.
MINPS=0000000004 NCVC5=00000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443

CONTROL=C000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330

CONTROL=C000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103

CONTROL=C000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.11559561

CONTROL=C000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.80085333

CONTROL=C000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.14348218

CONTROL=C000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.81479661

CONTROL=C000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.65045384

CONTROL=C000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.56828246

CONTROL=C000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.60936815

CONTROL=C000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.58882530

CONTROL=C000000007

1. BIAS CHANGES

LEVEL 1 MS = 0.2779999 BIAS = 0.54882530

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1029413	2. 1	0.1075107	3. 1	0.1226534	4. 1	0.1006541	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0740945	9. 1	0.1157776	10. 1	0.
11. 1	0.174968	12. 1	0.0898484	13. 1	0.1036733	14. 1	0.1178534	15. 1	0.0003993
16. 1	0.1170470	17. 1	0.1563075	18. 1	0.1233760	19. 1	0.0766497	20. 1	0.1029107
21. 1	0.	22. 1	0.	23. 1	0.140760	24. 1	0.1628348	25. 1	0.0999772
26. 1	0.1416986	27. 1	0.	28. 1	0.	29. 1	0.0909736	30. 1	0.1126277
31. 1	0.1043330	32. 1	0.1296176	33. 1	0.	34. 1	0.1093663	35. 1	0.
36. 1	0.	37. 1	0.0759693	38. 1	0.	39. 1	0.	40. 1	0.0509709
41. 1	0.0783637	42. 1	0.1212610	43. 1	0.1059430	44. 1	0.1106497	45. 1	0.0985125
46. 1	0.1161226	47. 1	0.1181608	48. 1	0.	49. 1	0.0904934	50. 1	0.0986299
51. 1	0.	52. 1	0.1145613	53. 1	0.1008155	54. 1	0.	55. 1	0.1131620
56. 1	0.0332563	57. 1	0.	58. 1	0.	59. 1	0.1140351	60. 1	0.
61. 1	0.1662135	62. 1	0.	63. 1	0.0813780	64. 1	0.1021653	65. 1	0.0947903
66. 1	0.1065196	67. 1	0.1209956	68. 1	0.1029771	69. 1	0.0946000	70. 1	0.
71. 1	0.1000429	72. 1	0.1300463	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 4.12689632
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.3134916
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.40672498
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95336205
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.19004306
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.06670256
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.01003231
 ** CONTROL=0000000007
 8 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 1.31003231

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3814307	2. 2	0.6311887	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.38143						
SUM NC. 2 15	0.63119						

*** 40 INPUT HF IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000011 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 95.20499992
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 47.84555578
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 24.16583323
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 12.32597220
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 6.40604162
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.44607636
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.96609373
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.22610241
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.85610676
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.67110893
 ** CONTROL=0000000007
 13 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.67110893

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0815577	2. 1	0.0800336	3. 1	0.1484325	4. 1	0.0817888	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0719332	9. 1	0.1157766	10. 1	0.0313592
11. 1	0.0769640	12. 1	0.0667052	13. 1	0.0649658	14. 1	0.0960459	15. 1	0.0635836
16. 1	0.0989598	17. 1	0.0975386	18. 1	0.1166959	19. 1	0.0877105	20. 1	0.0836973
21. 1	0.	22. 1	0.	23. 1	0.1198171	24. 1	0.1744087	25. 1	0.0827622
26. 1	0.1195106	27. 1	0.0903358	28. 1	0.	29. 1	0.0745984	30. 1	0.0964649
31. 1	0.0752160	32. 1	0.1185120	33. 1	0.	34. 1	0.0914311	35. 1	0.
36. 1	0.	37. 1	0.0747855	38. 1	0.	39. 1	0.	40. 1	0.0793650
41. 1	0.0707998	42. 1	0.0856964	43. 1	0.0944188	44. 1	0.0967904	45. 1	0.0770194
46. 1	0.0791044	47. 1	0.0983672	48. 1	0.	49. 1	0.0860626	50. 1	0.0652605
51. 1	0.	52. 1	0.0959621	53. 1	0.0836491	54. 1	0.	55. 1	0.0908821
56. 1	0.0791848	57. 1	0.	58. 1	0.	59. 1	0.0949033	60. 1	0.
61. 1	0.1333367	62. 1	0.	63. 1	0.0707546	64. 1	0.0798255	65. 1	0.0808618
66. 1	0.0937869	67. 1	0.1197138	68. 1	0.0780584	69. 1	0.0853988	70. 1	0.
71. 1	0.0795332	72. 1	0.0780799	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.59980000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.34216729
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.42108366
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.96054194
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.73027094
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.84540638
 ** CONTROL=0000000007

LEVEL 2 MS = C. BIAS = 0.04540630

000 41 14PLT M3 IDENTIFICATION CORRECT
NINPS=0000000000 NCVC5=0000000000 INDIC1=0000000000

LEVEL 1 MS = 0.09999999 bias = -1.05512777

```
LEVEL      2 OUTPUT OUT OF RANGE, NEW BIAS =      0.50000000
** CONTROL=CCCCGGGDDDDD

LEVEL      2 OUTPUT OUT OF RANGE, NEW BIAS =      1.1031320
** CONTROL=CCCCGGGDDDDD
          2 BIAS CHANGES
```

LEVEL 2 MS = C. BIAS = 1.10311320

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM MC.	1 2	0.	2 2	1.0563758	0. 0	0.	0. 0	0.	0. 0	0.
SUM MC.	1 15	0.								
SUM MC.	2 15	1.05638								

```

*** 42 INPUT V5 IDENTIFICATION CORRECT
NINPS=000000000000 NCYCS=000000000014 INDICT=000000000001

```

```

LEVEL      1 OUTPUT OUT OF RANGE, NEW BIAS =      0.06290954
..         CONTROL=CCGCCGCCCG01
LEVEL      1 OUTPUT OUT OF RANGE, NEW BIAS =      0.39971840
..         CONTROL=CCGCCGCCCG03
LEVEL      1 OUTPUT OUT OF RANGE, NEW BIAS =      0.23131397
..         CONTROL=CCGCCGCCCG07
LEVEL      1 OUTPUT OUT OF RANGE, NEW BIAS =      0.14711176
..         CONTROL=CCGCCGCCCG07
LEVEL      1 OUTPUT OUT OF RANGE, NEW BIAS =      0.18921286
..         CONTROL=CCGCCGCCCG07
          5 BIAS CHANGES

```

LEVEL : MS = 0.09999999 RIAS = 0.15921286

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1443322	2. 1	0.0563693	3. 1	0.2315910	4. 1	0.	5. 1	0.2675001
6. 1	0.1374778	7. 1	0.	8. 1	0.1858143	9. 1	0.	10. 1	0.
11. 1	0.0303574	12. 1	0.0630006	13. 1	0.0564751	14. 1	0.0030148	15. 1	0.1547608
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1273475
21. 1	0.	22. 1	0.	23. 1	0.0812602	24. 1	0.1244631	25. 1	0.0457740
26. 1	0.	27. 1	0.1677774	28. 1	0.	29. 1	0.	30. 1	0.1425561
31. 1	0.	32. 1	0.	33. 1	0.0053040	34. 1	0.1778672	35. 1	0.2799766
36. 1	0.3340882	37. 1	0.	38. 1	0.	39. 1	0.2301446	40. 1	0.
41. 1	0.0236090	42. 1	0.	43. 1	0.0997405	44. 1	0.	45. 1	0.1026201
46. 1	0.0798310	47. 1	0.0545063	48. 1	0.1525529	49. 1	0.1163315	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0563268	54. 1	0.	55. 1	0.
56. 1	0.1138881	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5820378	62. 1	0.1231649	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2578560	67. 1	0.	68. 1	0.0619344	69. 1	0.0951074	70. 1	0.
71. 1	0.	72. 1	0.1430797	0. 0	0.	0. 0	0.	0. 0	0.

```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.19250005
** CONTROL=000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.30500014
** CONTROL=000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.20075010
** CONTROL=000000007
    3 BIAS CHANGES

```

LEVEL = MS = 0. A145 = 0.2AA75010

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM VC.	1 2	0.963750	2 2	0.0291813	0 0	0.	0 0	0.	0 0	0.
SUM VC.	1 15	0.9.375								
SUM VC.	2 15	0.2915								

... 43 INPUT 42 IDENTIFICATION CORRECT

MINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40557347
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99899673
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41241999
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16070837
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03485254
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09778047
** CONTROL=00000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.09778047

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2966548	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3965121	13. 1	0.	14. 1	0.1911725	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0562106
21. 1	0.2453050	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2416898
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3201225	32. 1	0.	33. 1	0.1363032	34. 1	0.	35. 1	0.
36. 1	0.4562773	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1637385	44. 1	0.1233014	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1946809	55. 1	0.6238848
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6193077	63. 1	0.1481904	64. 1	0.1455866	65. 1	0.3949992
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.21406536
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.42813073
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.42813073

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
SUM NC. 2 IS 1.000000

*** 44 INPUT V6 IDENTIFICATION CORRECT
INCORRECT RESPONSES THIS CYCLE = 5
MINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33101156
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58286154
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83471152
** CONTROL=00000000003
3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.83471152

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.1339787
6. 1	0.4219078	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0028163
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3427086	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0210728	35. 1	1.1335950
36. 1	0.8816660	37. 1	0.	38. 1	0.	39. 1	0.0292478	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.3414042	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1479750	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.3289412	67. 1	0.	68. 1	0.	69. 1	0.1865777	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -23.48346374
** CONTROL=00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -12.49173188
** CONTROL=00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -6.99586594
** CONTROL=00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.24793297
** CONTROL=00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.87396649
** CONTROL=00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.18698326
** CONTROL=00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.53047487
** CONTROL=00000000007

9 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -2.59047487

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9260155	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92602								
SUM NO. 2 IS	0.								

*** 45 INPUT M1 IDENTIFICATION CORRECT
 HINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37691055
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03064153
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60437271
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35750717
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.35750717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3289408	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.533103	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.4636215	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.6358852
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5200662
31. 1	0.3503788	32. 1	0.1758133	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6918232	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2664019	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5704770	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6645074	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.27647203								
** CONTROL=00000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.55294409								
** CONTROL=00000000003									
2 BIAS CHANGES									

LEVEL 2 MS = 0. BIAS = 0.55294409

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 46 INPUT V1 IDENTIFICATION CORRECT
 HINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33476889
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50842570
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60208250
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59525411
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.63866830
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.63866830

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0091808	3. 1	0.	4. 1	0.	5. 1	0.0384411
6. 1	0.1453924	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.1141642
11. 1	0.	12. 1	0.	13. 1	0.1023560	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.2795106	20. 1	0.
21. 1	0.	22. 1	0.2246769	23. 1	0.	24. 1	0.	25. 1	0.2142209
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0736987	30. 1	0.
31. 1	0.	32. 1	0.3275190	33. 1	0.2616175	34. 1	0.	35. 1	0.
36. 1	0.3005495	37. 1	0.	38. 1	0.5956912	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.1936303	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2709343	55. 1	0.
56. 1	0.	57. 1	0.2303140	58. 1	0.	59. 1	0.	60. 1	0.3925955
61. 1	0.	62. 1	0.	63. 1	0.4139465	64. 1	0.2063297	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2789577	69. 1	0.	70. 1	0.1836591
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	-0.39958540								
** CONTROL=00000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	-0.52597469								
** CONTROL=00000000003									
2 BIAS CHANGES									

LEVEL 2 MS = 0. BIAS = -0.52597469

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0456478	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.04565								
SUM NO. 2 IS	0.								

*** 47 INPUT M2 IDENTIFICATION CORRECT
 HINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34718983
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.82347541
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29974098
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06161819
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.06161819

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0957111	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5707245	17. 1	0.	18. 1	0.	19. 1	0.2363355	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1500093	24. 1	0.7380357	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2100474	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6097430	42. 1	0.9152 55	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.5006987	48. 1	0.4399100	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.4417392	58. 1	0.	59. 1	0.	60. 1	0.1401862
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2109628	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49931753
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.65585355
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.65585355

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0818135	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.08181								

*** 48 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35584211
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60406940
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85229668
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10052396
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97641033
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.97641033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.6348790
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0707215	22. 1	0.9495694	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.6126864	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6281001	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3536240	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.8524164	58. 1	0.0439960	59. 1	0.	60. 1	0.2857462
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2990480
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.77747974
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.42053179
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -1.42053179

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0608533	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.06085								
SUM NO. 2 IS	0.								

*** 49 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45231110
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92612220
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.39993331
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16302776
 ** CONTROL=00000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.10302774

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.1	0.	2.1	0.	3.1	0.1717433	4.1	0.0012616	5.1	0.0131918
6.1	0.0539424	7.1	0.	8.1	0.	9.1	0.	10.1	0.0395367
11.1	0.	12.1	0.	13.1	0.	14.1	0.	15.1	0.
16.1	0.	17.1	0.	18.1	0.5321093	19.1	0.	20.1	0.
21.1	0.	22.1	0.	23.1	0.0444035	24.1	0.	25.1	0.
26.1	0.	27.1	0.	28.1	0.9490347	29.1	0.9432620	30.1	0.
31.1	0.	32.1	0.	33.1	0.	34.1	0.	35.1	0.
36.1	0.	37.1	0.	38.1	0.	39.1	0.	40.1	0.7632793
41.1	0.	42.1	0.	43.1	0.	44.1	0.	45.1	0.
46.1	0.2216396	47.1	0.	48.1	0.	49.1	0.	50.1	0.
51.1	0.	52.1	0.	53.1	0.0510705	54.1	0.	55.1	0.
56.1	0.	57.1	0.	58.1	0.	59.1	0.	60.1	0.4123052
61.1	0.	62.1	0.	63.1	0.	64.1	0.	65.1	0.
66.1	0.	67.1	0.	68.1	0.	69.1	0.	70.1	0.
71.1	0.	72.1	0.	73.1	0.	74.1	0.	75.1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.18124978

CONTROL=0000000001

1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.18124978

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.2	0.2180495	2.2	0.7819505	3.2	0.0	4.2	0.0	5.2	0.0
6.2	0.21805	7.2	0.78195	8.2	0.0	9.2	0.0	10.2	0.0

SUM NO. 1 IS 0.21805

SUM NO. 2 IS 0.78195

*** 50 INPUT V3 IDENTIFICATION CORRECT

INDICT=0000000000

MEVCS=00000000014

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.02350001

CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.04873353

CONTROL=0000000003

2 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -0.04873353

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.1	0.	2.1	0.	3.1	0.	4.1	0.	5.1	0.
6.1	0.	7.1	0.1340323	8.1	0.0735700	9.1	0.5704673	10.1	0.3771263
11.1	0.	12.1	0.	13.1	0.	14.1	0.1475611	15.1	0.
16.1	0.2048616	17.1	0.	18.1	0.	19.1	0.	20.1	0.
21.1	0.	22.1	0.0356365	23.1	0.	24.1	0.	25.1	0.
26.1	0.3148762	27.1	0.0720102	28.1	0.3284841	29.1	0.	30.1	0.
31.1	0.3968104	32.1	0.	33.1	0.	34.1	0.	35.1	0.
36.1	0.	37.1	0.5932504	38.1	0.	39.1	0.	40.1	0.0129959
41.1	0.	42.1	0.	43.1	0.	44.1	0.2292220	45.1	0.
46.1	0.	47.1	0.1650351	48.1	0.	49.1	0.	50.1	0.
51.1	0.4071929	52.1	0.	53.1	0.	54.1	0.	55.1	0.
56.1	0.	57.1	0.0396009	58.1	0.2453611	59.1	0.	60.1	0.
61.1	0.2544255	62.1	0.	63.1	0.	64.1	0.	65.1	0.2096480
66.1	0.	67.1	0.2428110	68.1	0.	69.1	0.	70.1	0.
71.1	0.	72.1	0.	73.1	0.	74.1	0.	75.1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.27179199

CONTROL=0000000001

1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.27179199

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.2	0.7282680	2.2	0.2326445	3.2	0.0	4.2	0.0	5.2	0.0
6.2	0.72821	7.2	0.23264	8.2	0.0	9.2	0.0	10.2	0.0

SUM NO. 1 IS 0.72821

SUM NO. 2 IS 0.23264

*** 51 INPUT M4 IDENTIFICATION CORRECT

INDICT=00000000001

MEVCS=00000000014

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39900178

CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94453731

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.49007285

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.21730508

CONTROL=0000000003

4 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.21730508

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.1	0.	2.1	0.	3.1	0.7462914	4.1	0.	5.1	0.
6.1	0.	7.1	0.	8.1	0.	9.1	0.	10.1	0.
11.1	0.	12.1	0.	13.1	0.	14.1	0.	15.1	0.5264470
16.1	0.	17.1	0.	18.1	0.	19.1	0.	20.1	0.
21.1	0.	22.1	0.0238149	23.1	0.	24.1	0.	25.1	0.
26.1	0.	27.1	0.	28.1	0.	29.1	0.	30.1	0.
31.1	0.	32.1	0.	33.1	0.	34.1	0.0188490	35.1	0.
36.1	0.	37.1	0.	38.1	0.3251139	39.1	0.	40.1	0.
41.1	0.	42.1	0.	43.1	0.	44.1	0.	45.1	0.7489368
46.1	0.4188671	47.1	0.	48.1	0.	49.1	0.	50.1	0.2603832
51.1	0.5824030	52.1	0.3277731	53.1	0.	54.1	0.	55.1	0.
56.1	0.	57.1	0.	58.1	0.	59.1	0.	60.1	0.
61.1	0.	62.1	0.	63.1	0.	64.1	0.	65.1	0.
66.1	0.	67.1	0.7346773	68.1	0.	69.1	0.4707917	70.1	0.
71.1	0.	72.1	0.	73.1	0.	74.1	0.	75.1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31570178

CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.63160358

CONTROL=0000000003

2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.02140958

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS C.
SUM NO. 2 IS 1.00000

*** 52 INPUT V4 IDENTIFICATION CORRECT
NINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20033330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.00365415
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.64488259
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.56549682
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.56549682

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1310061	2. 1	0.1454934	3. 1	0.2078478	4. 1	0.1879781	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1575156	9. 1	0.2770983	10. 1	0.0406292
11. 1	0.0677990	12. 1	0.0199564	13. 1	0.	14. 1	0.1419367	15. 1	0.1043463
16. 1	0.1594647	17. 1	0.0982392	18. 1	0.1019044	19. 1	0.	20. 1	0.0040827
21. 1	0.	22. 1	0.	23. 1	0.1549826	24. 1	0.2210912	25. 1	0.0141935
26. 1	0.1919228	27. 1	0.	28. 1	0.	29. 1	0.1114045	30. 1	0.1501996
31. 1	0.2379020	32. 1	0.	33. 1	0.	34. 1	0.1444305	35. 1	0.
36. 1	0.	37. 1	0.0037899	38. 1	0.	39. 1	0.0055406	40. 1	0.1009988
41. 1	0.2115912	42. 1	0.	43. 1	0.1553275	44. 1	0.0569324	45. 1	0.1127306
46. 1	0.0721579	47. 1	0.0948233	48. 1	0.	49. 1	0.1003752	50. 1	0.
51. 1	0.	52. 1	0.1129195	53. 1	0.0911988	54. 1	0.	55. 1	0.
56. 1	0.0636710	57. 1	0.	58. 1	0.	59. 1	0.0740045	60. 1	0.
61. 1	0.2094879	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3275497	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0460508	72. 1	0.0582865	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.24445325
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.48890652
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.48890652

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 53 INPUT M5 IDENTIFICATION INCORRECT.
NINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20033330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 13.27718914
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 6.88165009
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.68388057
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.08499581
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.28555343
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.88583224
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.68597165
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.58604136
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.63600650
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.66098908
 ** CONTROL=00000000007

13 BIAS CHANGES

LEVEL 1 NS = 0.00000000 BIAS = 0.66000000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0799969	2. 1	0.0946514	3. 1	0.1712995	4. 1	0.0937242	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1006095	9. 1	0.2320032	10. 1	0.0799969
11. 1	0.0022632	12. 1	0.0946514	13. 1	0.0934501	14. 1	0.0006092	15. 1	0.0766390
16. 1	0.1040306	17. 1	0.0924000	18. 1	0.1263331	19. 1	0.	20. 1	0.0022632
21. 1	0.	22. 1	0.	23. 1	0.1464963	24. 1	0.1401505	25. 1	0.0942974
26. 1	0.1622230	27. 1	0.0671205	28. 1	0.	29. 1	0.1079960	30. 1	0.1079190
31. 1	0.0903076	32. 1	0.0427973	33. 1	0.	34. 1	0.1147172	35. 1	0.
36. 1	0.	37. 1	0.1053722	38. 1	0.	39. 1	0.0916332	40. 1	0.0073452
41. 1	0.0476510	42. 1	0.0607510	43. 1	0.0091724	44. 1	0.1032369	45. 1	0.1100056
46. 1	0.1203925	47. 1	0.1050060	48. 1	0.	49. 1	0.1124447	50. 1	0.0004057
51. 1	0.	52. 1	0.1114370	53. 1	0.0966795	54. 1	0.	55. 1	0.0799969
56. 1	0.1056914	57. 1	0.	58. 1	0.	59. 1	0.1016453	60. 1	0.
61. 1	0.1023270	62. 1	0.0703530	63. 1	0.0061447	64. 1	0.0503069	65. 1	0.1001327
66. 1	0.0613413	67. 1	0.1020423	68. 1	0.0230006	69. 1	0.0612029	70. 1	0.
71. 1	0.0973704	72. 1	0.0040367	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
CONTROL-00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.76499692
CONTROL-00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.13249047
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.31624925
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.90012464
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.11210694
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.01015500
CONTROL-00000000007
7 BIAS CHANGES

LEVEL 2 NS = 0. BIAS = 1.01015500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2602364	2. 2	0.6429500	0. 0	0.	3. C	0.	0. 0	0.
SUN NO. 1 IS	0.26036								
SUN NO. 2 IS	0.64296								

*** 94 INPUT NS IDENTIFICATION INCORRECT.
NINPS-00000000004 NCTCS-06000000012 INDICT-00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
CONTROL-00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20033330
CONTROL-00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
CONTROL-00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.04166649
CONTROL-00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.76300076
CONTROL-00000000005
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.62499990
CONTROL-00000000005
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.69444433
CONTROL-00000000005
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.72916654
CONTROL-00000000005
0 BIAS CHANGES

LEVEL 1 NS = 0.00000000 BIAS = 0.72916654

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0623294	2. 1	0.0036773	3. 1	0.2102059	4. 1	0.0707667	5. 1	0.
6. 1	0.	7. 1	0.0344180	8. 1	0.0610207	9. 1	0.1900002	10. 1	0.0002390
11. 1	0.0600500	12. 1	0.0540634	13. 1	0.0646711	14. 1	0.0690167	15. 1	0.0694400
16. 1	0.0894000	17. 1	0.0911036	18. 1	0.1035004	19. 1	0.	20. 1	0.0663472
21. 1	0.0292620	22. 1	0.	23. 1	0.1032480	24. 1	0.2223742	25. 1	0.0626144
26. 1	0.1401013	27. 1	0.0915201	28. 1	0.	29. 1	0.0737564	30. 1	0.0033509
31. 1	0.0653053	32. 1	0.0776935	33. 1	0.	34. 1	0.0747599	35. 1	0.
36. 1	0.	37. 1	0.1272916	38. 1	0.	39. 1	0.0915310	40. 1	0.0594263
41. 1	0.0501221	42. 1	0.0714606	43. 1	0.0728340	44. 1	0.0769030	45. 1	0.0017457
46. 1	0.0833744	47. 1	0.0953642	48. 1	0.	49. 1	0.0805236	50. 1	0.0600693
51. 1	0.	52. 1	0.1047656	53. 1	0.0654399	54. 1	0.	55. 1	0.0090550
56. 1	0.0750000	57. 1	0.	58. 1	0.0098124	59. 1	0.0002400	60. 1	0.
61. 1	0.2043705	62. 1	0.0715010	63. 1	0.0657240	64. 1	0.0666630	65. 1	0.0662370
66. 1	0.0795702	67. 1	0.1207017	68. 1	0.0610900	69. 1	0.0002330	70. 1	0.
71. 1	0.0693023	72. 1	0.0706659	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
CONTROL-00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.29622056
CONTROL-00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.39011420
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94905715
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72452050
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83679206
CONTROL-00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89292499
CONTROL-00000000007

50446
64350
22462
42974
79198

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
	1. 2	3.5(3239)	2. 2	9.5(3601)	8. 2	8.	9. 0	9.	9. 6	9.
SUM UC.	1 15	6.~3724								
SUM UC.	2 15	6.5(3936)								

73652
69034
74037
77946

W1328

W1327

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.3429058	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3764887	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	C.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	C.	24. 1	0.	25. 1	0.
26. 1	C.6730928	27. 1	C.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	C.	33. 1	0.	34. 1	0.7061489	35. 1	0.
36. 1	C.	37. 1	C.	38. 1	0.	39. 1	0.4241172	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2110331	45. 1	0.
46. 1	C.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.7618868
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.8844329
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3864416	64. 1	0.2398419	65. 1	0.1491488
66. 1	C.913958	67. 1	0.6907103	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	C.	0. 0	0.	0. 0	0.	0. 0	0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	9.	2. 2	1.0000000	0. C	0.	0. C	0.	0. 0	0.
SUM AC.	1 IS								
SUM AC.	2 IS								

02390
94600
63472
26144
33589

P4263

17457
00693

90550

62370

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1813691	2. 1	C.	3. 1	0.2738267	4. 1	0.	5. 1	0.
6. 1	C.2253979	7. 1	0.	8. 1	0.1386793	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.1566310	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	C.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0518382	25. 1	0.
26. 1	0.	27. 1	0.2491779	28. 1	C.	29. 1	0.	30. 1	0.
31. 1	C.	32. 1	0.	33. 1	0.	34. 1	0.2853706	35. 1	0.
36. 1	0.3054627	37. 1	0.	38. 1	0.	39. 1	0.4875549	40. 1	0.
41. 1	C.0361736	42. 1	0.	43. 1	0.0186773	44. 1	0.	45. 1	0.
46. 1	C.	47. 1	0.	48. 1	0.2744489	49. 1	0.0983176	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	C.C718026	57. 1	0.	58. 1	0.	59. 1	C.	60. 1	0.
61. 1	C.C66738	62. 1	0.C641692	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.54C5420	67. 1	0.	68. 1	0.	69. 1	0.0438285	70. 1	0.
71. 1	C.	72. 1	0.1884546	0. 1	0.	0. 0	0.	0. 0	0.

[illegible]

62370

6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.22055572

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3218812	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5173129	13. 1	0.	14. 1	0.2026376	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.2225953	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.1609341
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.2919622	32. 1	0.	33. 1	0.2099603	34. 1	0.	35. 1	0.
36. 1	0.2927122	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1118726	44. 1	0.1138160	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1914793	55. 1	0.8035427
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6702704	63. 1	0.0092414	64. 1	0.1221110	65. 1	0.4276710
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0. 0	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.08982006
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.08982006

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0898201	3. 2	0. 0	4. 2	0. 0	5. 2	0. 0
6. 2	0.	7. 2	0.	8. 2	0.	9. 2	0.	10. 2	0.
11. 2	0.	12. 2	0.	13. 2	0.	14. 2	0.	15. 2	0.
16. 2	0.	17. 2	0.	18. 2	0.	19. 2	0.	20. 2	0.
21. 2	0.	22. 2	0.	23. 2	0.	24. 2	0.	25. 2	0.
26. 2	0.	27. 2	0.	28. 2	0.	29. 2	0.	30. 2	0.
31. 2	0.	32. 2	0.	33. 2	0.	34. 2	0.	35. 2	0.
36. 2	0.	37. 2	0.	38. 2	0.	39. 2	0.	40. 2	0.
41. 2	0.	42. 2	0.	43. 2	0.	44. 2	0.	45. 2	0.
46. 2	0.	47. 2	0.	48. 2	0.	49. 2	0.	50. 2	0.
51. 2	0.	52. 2	0.	53. 2	0.	54. 2	0.	55. 2	0.
56. 2	0.	57. 2	0.	58. 2	0.	59. 2	0.	60. 2	0.
61. 2	0.	62. 2	0.	63. 2	0.	64. 2	0.	65. 2	0.
66. 2	0.	67. 2	0.	68. 2	0.	69. 2	0.	70. 2	0.
71. 2	0.	72. 2	0.	73. 2	0.	74. 2	0.	75. 2	0.

*** 58 INPUT V6 IDENTIFICATION CORRECT
 INCORRECT RESPONSES THIS CYCLE = 2
 MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37727386
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.67258547
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96789709
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26320870
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11555290
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04172501
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.04172501

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.9331935
6. 1	0.4650923	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4780203	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.9049239
36. 1	0.8700326	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4941153	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0908103	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.5464916	67. 1	0.	68. 1	0.	69. 1	0.1156529	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0. 0	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.62499994
 ** CONTROL=00000000005
 7 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -2.62499994

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9875581	2. 2	0.	3. 2	0. 0	4. 2	0. 0	5. 2	0. 0
6. 2	0.	7. 2	0.	8. 2	0.	9. 2	0.	10. 2	0.
11. 2	0.	12. 2	0.	13. 2	0.	14. 2	0.	15. 2	0.
16. 2	0.	17. 2	0.	18. 2	0.	19. 2	0.	20. 2	0.
21. 2	0.	22. 2	0.	23. 2	0.	24. 2	0.	25. 2	0.
26. 2	0.	27. 2	0.	28. 2	0.	29. 2	0.	30. 2	0.
31. 2	0.	32. 2	0.	33. 2	0.	34. 2	0.	35. 2	0.
36. 2	0.	37. 2	0.	38. 2	0.	39. 2	0.	40. 2	0.
41. 2	0.	42. 2	0.	43. 2	0.	44. 2	0.	45. 2	0.
46. 2	0.	47. 2	0.	48. 2	0.	49. 2	0.	50. 2	0.
51. 2	0.	52. 2	0.	53. 2	0.	54. 2	0.	55. 2	0.
56. 2	0.	57. 2	0.	58. 2	0.	59. 2	0.	60. 2	0.
61. 2	0.	62. 2	0.	63. 2	0.	64. 2	0.	65. 2	0.
66. 2	0.	67. 2	0.	68. 2	0.	69. 2	0.	70. 2	0.
71. 2	0.	72. 2	0.	73. 2	0.	74. 2	0.	75. 2	0.

*** 59 INPUT H1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38437611
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11940943
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.85444275
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48692609
 ** CONTROL=00000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.48692609

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3201142	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5725320	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5699678	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5093267
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.53291209
31. 1	0.2267141	32. 1	0.2433319	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5778821	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2453946	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4914986	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5469830	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.30030240
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.60060483
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.60060483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 60 INPUT V1 IDENTIFICATION CORRECT

NEW G-WEIGHTS FROM RESULT OF INPUT 60

COMPONENT 1. 1 G-WEIGHTS

0.50483704	0.57144165	0.50755310	0.49267578	0.48643494
0.44351196	0.50842285	0.48423767	-0.08863356	-0.62815057
-0.63121033	-0.68261719	-0.37592773	-0.62919617	-0.26502336
-0.49812317	0.67668152	0.48693542	0.39474487	0.87568665
0.68693542	0.57379150	0.10511780	0.	-0.44830759
-0.45782471	-0.75628662	-0.57339478	-0.26501465	-0.26501465
-0.45782471	-0.75628662	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.57207336	0.39421082	0.48683167	0.51678467	0.41053772
0.40786743	0.44023132	0.47083740	-0.63281250	-0.32751465
-0.63948039	-0.57702637	-0.42082214	-0.37765503	-0.56198646
-0.46191406	0.	0.64828491	0.92308044	0.92308044
0.42254639	0.22807312	0.29002380	0.56483459	-0.36008911
-0.61770630	-0.33425903	-0.33425903	-0.41711426	-0.98497009
-0.33425903	-0.41711426	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.53686523	0.48968506	0.36802673	0.52731323	0.28439941
0.53533936	0.67817688	0.47946167	-0.07888794	-0.57286726
-0.47030640	-0.52290344	-0.58015442	-0.74917603	-0.49598694
-0.52959679	0.	1.00000000	0.86236572	0.29090552
0.57395935	0.86236572	0.06165967	0.34069824	-0.36145620
-0.78222656	-0.36145020	-0.48908997	-0.20851135	-0.36145620
-0.48908997	-0.94648743	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.53968311	0.45059204	0.47242737	0.51188640	0.47627258
0.51007080	0.50892639	0.52925110	-0.60971049	-0.17846680
-0.53631592	-0.43446187	-0.66853333	-0.45834351	-0.57180786
-0.54162599	0.63815308	0.66963442	0.66964722	0.31190491
0.28041077	0.45854187	0.48692322	0.48692322	-0.14962769
-0.46488953	-0.43650818	-0.79116821	-0.82267761	-0.43650818
-0.43338013	-0.46488953	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.46754456	0.42402649	0.43620300	0.45481873	0.85624695
0.42536726	0.49288940	0.44287109	-0.47863770	-0.57264709
-0.49438477	-0.48057556	-0.59321112	-0.50903503	-0.49514296
-0.29593740	0.76681515	0.78292847	0.	0.
0.83361316	0.78292847	0.83361316	0.	-0.36151123
-0.55136108	0.	-0.72470093	-0.36151123	-0.55136108
-0.72470093	-0.72470093	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.51640320	0.43006897	0.36946106	0.60671997	0.99302673
0.46296011	0.33988933	0.28140259	-0.57943724	-0.75294495
-0.52604795	-0.19007974	-0.58981323	-0.48806763	-0.60330700
-0.27189636	0.	0.8725720	0.94474792	0.
0.87923720	0.94474792	0.35194397	0.	0.
-0.48947144	-0.63511658	0.	-0.48947144	-0.63511658
-0.84039307	-0.91041565	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.91860962 0.77220154
0.41111735 0.34342957
-0.60997854 -0.61196899
-0.61363229 0.58830261
0.83267212 0.60656738
-0.39636235 -0.56211853
-0.56211853 -0.60540771

0.34855347 0.33618164
0.33563232 -0.61396790
-0.38700562 -0.61406816
0.34987000 0.83267212
0. 0.
-0.58276367 -0.60540771
0. 0.

0.33552661
0.
-0.34858704
0.34987000
-0.28899991
-0.39636230
0.

0.33552661
0.
-0.34858704
0.34987000
-0.28899991
-0.39636230
0.

COMPONENT 8. 1 G-WEIGHTS

0.45726613 0.44326672
0.61359839 0.56137085
-0.52845766 -0.50550842
-0.40444902 0.83226013
0.83226013 0.23173523
-0.36762695 -0.47608948
-0.31066791 -0.47608948

0.31293945 0.44833801
0.47827148 -0.48025513
-0.46957397 -0.52059937
0.62641907 0.23173523
0.18398220 0.46182251
-0.35975647 -0.56762695
0. 0.

0.44833801
-0.48025513
-0.52059937
0.23173523
0.46182251
-0.56762695
0.

0.45674133
-0.48454285
-0.52593994
0.59994507
-0.35975647
-0.88162231
0.

COMPONENT 9. 1 G-WEIGHTS

0.39926311 0.54408264
0.47792033 0.48155212
-0.46121216 -0.47300720
-0.51771545 0.95635906
0.26670837 0.57344035
-0.91447449 -0.42677307
-0.42677307 -0.42677307

0.27430420 0.49513245
0.56944275 -0.53643799
-0.53344617 -0.51303101
0.08551025 0.26670837
0.26289368 0.63185120
-0.50219727 -0.84760677
0. 0.

0.49513245
-0.53643799
-0.51303101
0.26670837
0.63185120
-0.84760677
0.

0.55795288
-0.40498352
-0.55783081
0.95635906
-0.02850342
-0.42677307
0.

COMPONENT 10. 1 G-WEIGHTS

0.46464539 0.17906189
0.98184204 0.29225159
-0.68205261 -0.64429138
-0.66357422 0.88879395
0.16197205 0.88879395
-0.62797546 -0.60540771
-0.60540771 -0.43673706

0.69317627 0.21865845
0.22052002 -0.61257935
-0.09858704 -0.53483582
0.94326782 0.08177185
0.94326782 0.08177185
-0.43673706 -0.01202393
0. 0.

0.21865845
-0.61257935
-0.53483582
0.08177185
0.08177185
-0.01202393
0.

0.94955444
-0.74136353
-0.80251778
0.81067000
-0.60540771
-0.67015076
0.

COMPONENT 11. 1 G-WEIGHTS

0.39462830 0.39468274
0.35903931 1.00000000
-0.56530762 -0.56347656
-0.59136963 0.65277100
0.65277100 0.43273926
-0.63642883 -0.72047424
-0.63642883 -0.38580322

0.38548279 0.38722229
0.68740245 -0.55590820
-0.58495667 -0.56385803
0.65342603 0.58805847
0.36534119 0.
-0.40685325 -0.38580322
0. 0.

0.38722229
-0.55590820
-0.56385803
0.58805847
0.
-0.38580322
0.

0.39949836
-0.59504700
0.
0.65277100
-0.38580322
-0.38252258
0.

COMPONENT 12. 1 G-WEIGHTS

0.43487549 0.48585510
0.46171570 0.45422363
-0.57095337 -0.59797668
-0.49540710 0.14692688
0.56929016 0.82389832
-0.42028809 -0.77742004
-0.77742004 -0.30029297

0.41624451 0.55310059
0.43251038 -0.74417114
-0.61045837 -0.45164490
0. 0.82389832
0.70712280 0.56929016
-0.56192017 -0.30029297
0. 0.

0.55310059
-0.74417114
-0.45164490
0.82389832
0.56929016
-0.30029297
0.

0.76104736
-0.44326782
-0.58555403
0.35949707
-0.30029297
-0.56192017
0.

COMPONENT 13. 1 G-WEIGHTS

0.46875000 0.44424438
0.34472351 0.41838074
-0.41845540 -0.53829956
-0.49203491 0.19687544
0.67604065 0.97573853
-0.78390476 -0.97294617
-0.15695150 -0.15695190

0.43954468 0.59014893
0.55134583 -0.56205750
-0.44338989 -0.46162415
0.97573853 0.39204407
0.39204407 0.19687544
-0.50895691 -0.31902024
0. 0.

0.59014893
-0.56205750
-0.46162415
0.39204407
0.19687544
-0.31902024
0.

0.54275513
-0.48167419
-0.60321863
0.19687544
-0.31902024
-0.78300476
0.

COMPONENT 14. 1 G-WEIGHTS

0.48699951 0.43634033
0.43957520 0.51777649
-0.57246199 -0.39833069
-0.58246204 0.12078857
0.17158508 0.73344421
-0.57334900 -0.27537537
-0.27537537 -0.27537537

0.54223633 0.51387024
0.49574280 -0.50315857
-0.58122253 -0.42234639
0. 0.74968384
0.90661621 0.30833271
-0.27537537 -0.91899109
0. 0.

0.51387024
-0.50315857
-0.42234639
0.74968384
0.30833271
-0.91899109
0.

0.56660461
-0.54119873
-0.59744568
0.9825781
-0.83218384
-0.57334900
0.

COMPONENT 15. 1 G-WEIGHTS

0.39212036 0.38359070
0.39044189 0.81643677
-0.52310181 -0.54568481
-0.47683716 0.
0.75646973 0.65470886
-0.41711262 -0.69460022
-0.69460022 -0.49198914

0.54152344 0.46079712
0.37937927 -0.31919861
-0.51843262 -0.55249023
0.59537292 0.24245044
0.38003540 0.31239319
-0.49198914 0.
0. 0.

0.46079712
-0.31919861
-0.55249023
0.59537292
0.24245044
0.31239319
0.

0.41528320
-0.51487732
-0.54878235
1.00000000
-0.44963501
-0.41731262
0.

COMPONENT 16. 1 G-WEIGHTS

0.64082336 0.50077920
0.49636841 0.52249144
-0.36325599 -0.48078491
-0.56672476 0.67178345
0.67178345 0.64613362
-0.77436829 -0.42379761
-0.35728455 -0.42379761

0.45042419 0.47377014
0.51676441 -0.47370911
-0.56880188 -0.48497009
0.64613362 0.12246704
0.51399231 0.43175744
-0.39814758 -0.42379761
0. 0.

0.47377014
-0.47370911
-0.48497009
0.12246704
0.43175744
-0.42379761
0.

0.39837446
-0.50349426
-0.57822336
0.29548645
-0.42379761
-0.77436829
0.

COMPONENT 17. 1 G-WEIGHTS

0.55888367	0.47647095	0.45378113	.55017090	0.54376221
0.44969177	0.45036316	0.51594543	-0.51892090	-0.48784993
-0.43435928	-0.49375916	-0.55102539	-0.57197571	-0.46487901
-0.47924805	0.24006453	0.87944031	0.24006453	0.85441003
0.72878674	0.72828674	0.24006453	0.06891296	-0.51600952
-0.34216309	-0.47546497	-0.31600952	-0.95899463	-0.51600952
-0.95849463	-0.31600952	G.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

C.46131897	0.46083069	C.51118469	0.44940186	0.43825909
0.47232056	0.51873779	0.48748779	-0.53672791	-0.53590822
-0.43367004	-0.19943237	-0.58381653	-0.53671265	-0.61683080
-0.55638123	0.89765930	0.80188293	0.92292706	0.62713623
C.14667078	0.44325146	0.32546997	0.03883362	-0.74464417
-0.36953735	-0.37953393	-0.23155212	-0.57189941	-0.95380440
-0.36953735	-0.37953393	C.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.47384644	0.56336975	C.43365479	0.44656372	0.43487898
0.41178894	0.48876953	0.54774475	-0.56710815	-0.49499812
-0.52461243	-0.49162292	-0.47167969	-0.43504333	-0.48426019
-0.52978916	0.09793091	0.97596741	0.97596741	0.30182339
0.57574463	0.77288818	0.20237732	0.09793091	-0.55738031
-0.45297241	-0.15721130	-0.72761536	-0.55738031	-0.15721130
-0.83203125	-0.55738031	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.54301453	0.46047974	0.45695496	0.49714461	0.53294373
0.55061740	0.51663208	0.44213867	-0.50138855	-0.56564167
-0.23518372	-0.49447632	-0.46592712	-0.61633301	-0.55323792
-0.56689453	0.73501587	0.72792053	0.72792053	0.22962952
0.64741516	0.61589050	0.14202881	0.17355347	-0.37489973
-0.39854431	-0.87237549	-0.37409973	-0.37409973	-0.39854431
-0.84083557	-0.36701965	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.41787720	0.54158020	0.41171265	0.61181641	0.63171387
0.50920105	0.46701050	0.40830994	-0.53579712	-0.53715515
-0.48100281	-0.53721619	-0.52592468	-0.55712899	-0.48553467
-0.54075623	0.76554871	0.71234131	0.39761353	0.39476813
0.40766907	0.36917114	0.50257874	0.44937134	-0.59667156
-0.58932495	-0.60688782	-0.55081177	-0.21852112	-0.27174377
-0.58647156	-0.58932495	C.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.39201355	0.45727539	0.38827515	0.38827515	1.00000000
0.49815369	0.39047241	0.48544312	-0.48481750	-0.58061848
-0.56677246	0.	-0.60044861	-0.60527039	-0.55647114
-0.60527039	0.00534058	0.83779907	0.83779907	0.81967163
0.00534058	0.	0.78207397	0.71189880	-0.63531494
-0.71740396	-0.71780396	-0.56791687	-0.00798035	0.
-0.67531454	-0.71780396	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.47650146	0.49629211	C.51007080	0.53532410	0.48123169
0.51135090	0.48405457	C.50448608	-0.52517700	-0.42771912
-0.51864624	-0.42523193	-0.54838562	-0.48410034	-0.51280212
-0.55752563	0.47709656	0.47709656	0.71295164	0.50389446
C.27993774	0.51197615	0.54307556	0.41381836	-0.65869588
-0.35534668	-0.45350047	-0.45350647	-0.45350647	-0.45350647
-0.45350647	-0.72622681	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.51802063	0.56930542	0.53242493	0.28562927	0.60528564
0.52497864	0.56825256	0.39604187	-0.35659790	-0.55093384
-0.34893118	-0.53828430	-0.55360413	-0.47056580	-0.44821167
-0.73243713	0.06555176	0.90107727	0.27259827	0.32737732
0.93215942	0.90107727	0.27259827	0.32737732	-0.37222290
-0.30929565	-0.42236326	-0.91160583	-0.80050642	-0.37222290
-0.30929565	-0.42236326	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.64677429	0.47720331	C.48194885	0.46879578	0.48204041
0.48294485	C.49642944	0.48393250	-0.55247498	-0.47419161
-0.56665039	-0.44020001	-0.38471985	-0.44200134	-0.55629916
-0.57220018	0.76252747	0.43486023	0.31803894	0.32911602
0.76252747	0.31803894	0.53727722	0.53727722	-0.55128856
-0.56228638	-0.22360229	-0.46801453	-0.46893665	-0.22360229
-0.53120850	-0.58228638	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

C.52191162	0.49481750	0.48530579	0.46853638	0.60073053
0.46453157	0.48741150	0.48645020	-0.50199890	-0.52844238
-0.46270752	-0.54891287	-0.52578735	-0.50849915	-0.48032884
-0.52308655	0.39447021	0.55982971	0.62412720	0.51980591
0.36889614	C.53424072	0.79853821	0.	-0.49104309
-0.49104309	-0.18447876	-0.53756714	-0.93696594	-0.68322754
-0.49104309	-0.18447876	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.39947839 0.41344431
1.0662330C 0.41104126
-0.31364136 -0.31763916
-0.35841064 0.18975830
0. 0.92391968
-0.61038208 0.
C. -0.67279053

0.42356873
0.41383362
-0.34911854
0.92391968
0.
-0.70213318
0.

0.41697693
-0.34412842
-0.31864130
0.93374434
0.90334409
-0.61038208
0.

0.52561270
-0.34624759
-0.25178098
0.12521362
-0.70213318
-0.70213318
0.

COMPONENT 28. 1 G-WEIGHTS

0.43975839 0.32350159
0.40906982 0.41384888
-0.37974243 -0.32014465
-0.38987463 0.99671936
0.99671936 0.12567139
-0.07388306 -0.35699158
-0.38049011 -0.38049011

0.41384888
0.41384888
-0.37974243
0.12567139
0.
-0.38049011
0.

0.39876233
-0.34388354
-0.37974243
0.12448128
0.75918950
-0.35699158
0.

1.00000000
-0.49029541
-0.48883237
0.87156477
-0.48977458
-0.38049011
0.

COMPONENT 29. 1 G-WEIGHTS

0.81759644 0.41618347
0.66594238 0.47454836
-0.61618042 -0.58799744
-0.30302429 0.27593994
0.26623535 0.42068852
-0.46107483 -0.36256409
-0.46107483 -0.36256409

0.43887329
0.40287781
-0.33482710
0.02764493
0.65672302
-0.46974182
C.

0.41986884
-0.40040588
-0.33043654
0.65435791
0.80270384
-0.86145020
0.

0.56344604
-0.45488430
-0.37316589
0.89561462
-0.31927490
-0.70185832
0.

COMPONENT 30. 1 G-WEIGHTS

0.43867493 0.43453979
0.44502258 0.40057373
-0.34556274 0.
-0.61864760 0.
C.46389771 C.86669922
-0.36451721 -0.36451721
-0.49827576 -0.30921936

1.00000000
C.43095398
-0.49528503
0.
0.
C.86669922
-0.98922729
0.

0.42677197
-0.62115479
-0.53796387
0.86669922
0.69963074
-0.30921936
0.

0.42137146
-0.54161072
-0.63967896
0.29681394
-0.80017890
-0.36451721
0.

COMPONENT 31. 1 G-WEIGHTS

0.43881226 0.46714783
0.44834900 0.48274329
-0.64785767 -0.31715393
-0.44487000 0.25206604
0.72373499 0.11883545
-0.33795164 -0.49584961
-0.63497925 -0.63497925

0.50837708
0.48027039
-0.24252319
0.37563782
0.04347065
-0.99818420
0.

C.56127938
-0.62768925
-0.33710939
0.37563782
0.69607019
-0.63497925
0.

0.60958842
-0.66015625
-0.52210999
0.93846558
0.
-0.26301375
0.

COMPONENT 32. 1 G-WEIGHTS

C.62573414 0.42370709
0.41842651 0.31354980
-0.40720823 -0.51020813
-0.62722217 0.
0.40394532 0.40235901
-0.63017700 -0.25100708
-C.65017700 -0.25260925

0.42098999
0.42248535
-0.33757010
0.
0.79760742
-0.65632629
0.

0.48367310
-0.60499463
-0.60305784
0.79760742
0.79919434
-0.64857483
0.

0.69891797
-0.29988752
-0.43217468
0.79919434
-0.23398196
-0.65632629
0.

COMPONENT 33. 1 G-WEIGHTS

0.48521423 0.48444876
0.48999868 0.49397168
-0.41476440 -0.55718494
-0.55650530 0.19783020
0.49552917 0.87355099
-0.37063293 -0.32583313
-0.52583313 -0.37063293

0.48707581
0.45890796
-0.56605282
0.19461060
0.87355099
-0.57582513
0.

0.58212280
-0.55990601
-0.31362915
0.23961040
0.23961040
-0.14279175
0.

0.48573583
-0.48147583
-0.55990601
0.87355099
-0.37063293
-0.37063293
0.

COMPONENT 34. 1 G-WEIGHTS

0.51347161 0.43334961
0.43482971 0.52589417
-0.39831360 -0.33050232
-0.52087402 0.87776144
0.77744629 0.50633240
-0.44609070 -0.51771545
-0.77421570 -0.75271179

0.57896473
0.47741699
-0.24964431
0.76584911
0.22869873
-0.19006348
0.

0.55903525
-0.53038025
-0.52923584
0.55486951
0.
-0.36319216
0.

0.47619051
-0.53756604
-0.53060913
0.30698082
-0.51771545
-0.51771545
0.

COMPONENT 35. 1 G-WEIGHTS

0.47082920 0.46098328
0.51169863 0.48171997
-0.50138691 -0.48802185
-0.51763916 0.85247803
0. 0.85247803
-0.73117065 0.73117065
-0.40240479 -0.40240479

0.46348572
0.67312422
-0.43443298
0.
0.
0.
0.

C.48670939
-0.50726418
-0.48063660
0.72126770
0.85247803
-0.73117065
0.

0.45086470
-0.52711467
-0.54269409
0.72126770
-0.59912109
-0.40240479
0.

COMPONENT 36. 1 G-WEIGHTS

0.45693370 0.46791077
0.33665466 0.35935974
-0.64392090 -0.58864441
-0.70393372 1.00000000
1.00000000 0.
-0.66519165 -0.66519165
-0.66519165 -0.41207884

1.00000000
0.39724731
-0.68728638
0.
0.
0.
0.

0.31344404
-0.65263367
-0.25234975
0.
1.00000000
-0.43354475
0.

0.66841125
0.
-0.37112427
1.00000000
-0.46354475
-0.66519165
0.

COMPONENT 37. 1 G-WEIGHTS

0.65162659	0.52314758	0.5367178	0.48397627	0.54478825
0.54371643	0.41737366	0.29911894	-0.53166199	-0.59442139
-0.45152283	-0.53607178	-0.33544758	-0.49935859	-0.56741333
-0.52354431	0.56999207	0.96180725	0.03817749	0.96180725
0.42940112	0.03817749	0.42990112	0.56999207	-0.39636121
-0.10292033	-0.96271831	-0.55595398	-0.39636121	-0.10292033
-0.94271851	-0.55595398	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.50201416	0.39903259	0.63162231	0.44886244	0.56886227
0.41928101	0.39903259	0.64767434	-0.44886244	-0.55427351
-0.57789612	-0.57789612	-0.57690059	-0.24587349	-0.51417342
-0.43890381	0.21478797	1.00000000	0.02490234	0.02490234
0.22074890	1.00000000	0.03860779	0.67596436	-0.62924194
-0.63459778	-0.19763184	-0.63459778	-0.63459778	0.
-0.63459778	-0.63459778	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.44781494	0.41693115	0.40905762	0.42886792	0.45616150
0.64060974	0.78051758	0.42779541	-0.56987654	-0.45828618
-0.22325134	-0.56153870	-0.56262207	-0.55963135	-0.51417342
-0.55120850	0.	0.94725037	0.59617615	0.55768498
0.94725037	0.35760498	0.74732971	0.04467644	-0.67515564
-0.71907043	-0.31626892	-0.10630798	-0.44852112	-0.67515564
-0.72239685	-0.31626892	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.42562866	0.76673889	0.41470337	0.41989790	0.45280457
0.43222046	0.68450928	0.40341187	-0.57884216	-0.56987654
-0.57098389	-0.57156372	-0.51588440	-0.04833984	-0.57156372
-0.57156372	0.56045532	0.55874634	0.63795898	0.42437439
0.45960999	0.42437439	0.49488831	0.01927185	-0.39887837
-0.56845093	-0.53091431	-0.53091431	-0.46775818	-0.56845093
-0.46598816	-0.46775818	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.47357068	0.51690674	0.48014832	0.46139954	0.48852498
0.43333435	0.51165771	0.50010681	-0.50078984	-0.50078984
-0.49539185	-0.54185444	-0.49705505	-0.41852246	-0.52536401
-0.51776123	0.70606995	0.70606995	0.37442817	0.38588949
0.71139526	0.37974548	0.37974548	0.38644409	-0.33297729
-0.33297729	-0.66464233	-0.33297729	-0.33297729	-0.66464233
-0.66464233	-0.67404175	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.44613647	0.44148254	0.52851668	0.46693420	0.41798481
0.47888787	0.73161316	0.49630737	-0.47904968	-0.49024963
-0.55599976	-0.59166968	-0.59155273	-0.56965637	-0.59956360
-0.59166968	0.50451590	0.82221985	0.82221985	0.14284804
0.90911590	0.82221985	0.23446655	0.14284804	-0.79438782
-0.80664978	-0.43877087	-0.88598633	-0.52236938	-0.20664978
-0.43877087	-0.52236938	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.73848889	0.37986401	0.41375732	0.34410095	1.00000000
0.39491943	0.41233826	0.35998535	-0.51107788	-0.41233826
-0.51863098	-0.48710632	-0.51358032	-0.50209045	-0.37838811
-0.47669983	0.73667988	0.73667988	0.69194031	0.31277464
0.39168828	0.58508301	0.58508301	0.	-0.37377930
-0.37377930	-0.87179565	-0.38655090	-0.37377930	-0.37377930
-0.87179565	-0.37377930	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.50483704	0.51077271	0.54853821	0.53083801	0.45266724
0.45176697	0.48284912	0.51693726	-0.56950378	-0.42854309
-0.56372070	-0.44486890	-0.44957275	-0.46560669	-0.53947778
-0.49186707	0.68719482	0.04823303	0.61776733	0.83793640
0.19897461	0.40490723	0.49214172	0.71231079	-0.45726013
-0.58387756	-0.49664307	-0.27645874	-0.91543579	-0.49664307
-0.49664307	-0.27645874	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.45590210	0.34664917	0.86978149	0.63752747	0.37992859
0.43360961	0.45558641	0.42047119	-0.65960493	-0.55564406
-0.57055664	-0.56837573	-0.55366516	-0.26939392	-0.64897156
-0.17527771	0.	0.05168152	0.78872461	0.76213074
0.39649800	0.85937500	0.76664734	0.37463379	-0.29280745
-0.42396545	-0.85794067	-0.29200745	-0.39221191	-0.39221191
-0.98362732	-0.36384473	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.47013855	0.38639832	0.71080017	0.44168091	0.34608887
0.63054321	0.46466064	0.50907898	-0.57987976	-0.49867249
-0.51222229	-0.49032593	-0.36994934	-0.55235291	-0.52274611
-0.47341919	0.45161438	0.03125000	0.00005493	0.90085493
0.49148560	0.50747681	0.61897278	0.09892273	-0.38890515
-0.39397515	-0.38890515	-0.91394043	-0.38890515	-0.38890515
-0.38890515	-0.38890515	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.51562500	0.51446533	0.50967407	0.50901794	0.57424927
0.44453430	0.47131348	0.46038810	-0.53161621	-0.44354248
-0.53681946	-0.53312683	-0.49890576	-0.52728271	-0.54771423
-0.56842773	0.04289246	0.48908997	0.61175537	0.77024841
0.42541504	0.48808997	0.77024841	0.40104675	-0.45391646
-0.93659973	-0.43617249	-0.27265930	-0.43617249	-0.62872314
-0.56280518	-0.27265930	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.47131348	0.55400085	0.42153931	0.52290344	0.57231140
0.47024536	0.50958252	0.47798157	-0.51290894	-0.59301758
0.	-0.68899536	-0.53269958	-0.52851868	-0.62399292
-0.51982117	0.	0.93206787	0.12162944	0.93206787
0.98942566	0.25016785	0.01931763	0.75543213	-0.44062805
-0.56205750	-0.56205750	-0.65554810	0.	-0.56205750
-0.56205750	-0.65554810	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.51568604	0.48159790	0.52095032	0.37696838	0.53695679
0.55792236	0.51028442	0.49923706	-0.53251648	-0.44131470
-0.46441630	-0.52976990	-0.54199219	-0.54547119	-0.46476746
-0.47901917	0.31175232	0.	0.00575256	0.96482739
0.27746582	0.99125671	0.94927979	0.49754333	-0.27047729
-0.36573792	-0.98046875	-0.85775757	-0.27047729	-0.36573792
-0.36573792	-0.52337646	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.51510620	0.51889038	0.52848816	0.36834717	0.60867310
0.41232300	0.68093872	0.36645862	-0.62782288	-0.56831360
-0.55274963	0.	-0.53071594	-0.56484985	-0.60252380
-0.55294900	0.	0.91845703	0.91845703	0.60354614
0.59978888	0.65496145	0.31063843	0.	-0.69206238
-0.31300354	-0.68154907	-0.31300354	-0.31300354	-0.31300354
-0.68154907	-0.69206238	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.46633911	0.38592529	0.38592529	0.55482483	0.38124084
0.80067444	0.63845825	0.38592529	-0.67886353	0.
-0.46823386	-0.63317871	-0.20465088	-0.67665100	-0.66184998
-0.66184998	0.15055847	0.90504456	1.00000000	0.15055847
0.15055847	1.00000000	0.45216844	0.19107056	-0.38392639
-0.64640808	-0.64640808	0.	-0.38392639	-0.64640808
-0.64640808	-0.64640808	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.34536743	0.51319885	0.67895508	0.36489868	0.46446228
0.47595215	0.68005371	0.47688293	-0.45521545	-0.54571533
-0.46832275	-0.46218872	-0.59703064	-0.55337524	-0.48265076
-0.43522444	0.22044373	0.04713440	0.95574951	0.54963684
0.19886780	0.92111206	0.51501465	0.59193420	-0.30210876
-0.30210876	-0.72892871	-0.66838074	-0.30210876	-0.30210876
-0.72892871	-0.66838074	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50245667	0.49763489	0.45230103	0.51574707	0.50689697
0.51350403	0.50929260	0.50177002	-0.42207336	-0.45268250
-0.55543518	-0.45375061	-0.54109192	-0.52462769	-0.56835938
-0.49126221	0.67193604	0.67193604	0.11668396	0.25476074
0.22979546	0.66595459	0.69741821	0.69161987	-0.39117432
-0.35969543	-0.35969543	-0.88931274	-0.91499329	-0.35969543
-0.35969543	-0.36549377	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43988037	0.58619690	0.55679321	0.53781128	0.49139404
0.43672180	0.51307678	0.43722534	-0.37026978	-0.54415894
-0.50542886	-0.50035095	-0.53889465	-0.54418945	-0.47142029
-0.52413466	0.	0.78939656	0.92468262	0.73554993
0.44797778	0.85955811	0.24343872	0.	-0.68302917
-0.68302917	-0.66485596	0.	-0.66485596	-0.27328491
-0.34780884	-0.68302917	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.39450623	0.35430908	0.44056396	0.41584778	0.62156677
0.44653748	0.74121094	0.37496948	-0.45315552	-0.46908569
-0.50122070	-0.52430725	-0.52064531	-0.50297546	-0.55290222
-0.47610474	0.	0.43555908	0.71629333	0.59181213
0.40475464	0.54536438	0.61528015	0.49079895	-0.40954590
-0.42201233	-0.32882690	-0.47253416	-0.84542847	-0.68925476
-0.40954590	-0.42201233	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.47029114	0.47193223	0.56237793	0.56031799	0.48701477
0.46081343	0.55306897	0.43144226	-0.42022705	-0.44209290
-0.52492605	-0.57162476	-0.60002136	-0.49440002	-0.45881633
-0.48768616	0.83947754	0.11128235	0.11714172	0.35205078
0.92601113	0.84535217	0.69110107	0.11714172	-0.82798767
-0.32673645	-0.32673645	-0.48474121	-0.97660828	-0.32673645
-0.44474.21	-0.24548740	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

C.41474724	0.41934204	0.43551636	0.55319214	0.50343323
0.55938721	0.63316345	C.48187256	-0.48370361	-0.62973822
-0.63435364	0.	-0.50846699	-0.65353394	-0.56155396
-C.52838.35	0.85411072	0.79534912	0.	0.85411072
0.83377575	0.	0.	C.66259766	0.
-0.63212545	-0.71855164	-0.01332092	-0.63212585	-0.71855164
-C.71855164	-C.56665339	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.57014465	0.60231018	0.48950195	0.48187256	0.44863892
0.50296865	0.45945740	C.44447327	-0.50100768	-0.53840637
-0.53828394	-0.35890198	-0.52580261	-0.53710938	-0.53465271
-C.465393C7	C.89668274	0.27658081	0.64428711	0.50322264
C.4C2C2332	0.30911253	0.27069092	0.89668274	-0.51214905
-0.69589233	-0.60295105	-0.07574463	0.31214905	-0.70176697
-C.6C295105	-0.69589233	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.53001404	0.42007446	0.49177551	0.46257019	0.50440079
0.5104C649	0.51701355	0.56364441	-0.44300842	-0.44975780
-0.47970391	-0.50851440	-0.58721924	-0.47657776	-0.59117126
-0.44314575	0.72064209	0.39588926	0.76344299	C.43069819
0.15948018	0.41218567	0.43869019	0.72064209	-0.96629643
-C.33049.11	-C.33049011	-0.65760803	-0.35290527	-0.66449238
-C.35290527	-C.33049711	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.48713484	C.42379761	0.83419800	0.41455078	0.42021179
C.46193777	0.54341125	0.41471863	-0.08193970	-0.62283325
-C.384C1794	-0.62120056	-0.42065125	-0.61256409	-0.44123840
-0.61552429	0.	0.66442871	0.94474792	0.66491589
0.26321655	0.05610657	0.94474792	0.51980591	-0.18260193
-0.73286457	-0.70565796	-0.70280457	-0.70280457	-0.04591370
-C.25167847	-0.70565796	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00700000	0.41914368	0.336C1379	0.46899614	0.49656677
0.44371033	0.41600037	0.41943359	-0.51751709	-0.51290523
-0.5491C278	-C.51855469	-0.50068665	-0.49658203	-0.39311218
-0.51119995	0.63146973	0.77268982	0.93896484	0.12629700
0.63146973	0.77268982	0.12629700	0.	-0.46920776
-0.09820557	-0.88970947	-0.46920776	-0.46920776	-0.46920776
-C.68574674	-0.46920776	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.46340942	0.47001648	0.43553162	0.46340942	0.46078862
0.61167908	0.46472168	0.42985229	-0.47425842	-0.25990823
-0.56294250	-0.56419373	-0.46472168	-0.55509949	-0.50039056
-0.55758667	0.57385254	0.51242065	0.59799194	0.65343454
0.57385254	0.57385254	0.51242065	0.	-0.48623657
-0.54936218	-0.46145630	-0.48623657	-0.49029541	-0.48623657
-0.47029541	-0.54936218	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.41494724	0.52261353	0.51872253	0.43041992	0.41528320
0.52655029	0.47579430	0.69627380	-0.57141113	-0.44061267
-0.57800293	-0.38725281	-0.57827759	-0.50991821	-0.41987610
-0.48609724	0.34024048	0.95992432	0.17720032	0.98478699
0.46508789	0.30204773	0.30204773	0.56843547	-0.49082947
-C.65392385	-0.65382385	-0.49082947	-0.49082947	-0.49082947
-C.65382385	-0.07452393	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.50599938	0.48303223	0.45773315	0.45710754	0.52143860
0.46997070	0.53353582	0.57127380	-0.31214905	-0.62126160
-0.60514832	-0.57521057	-C.53442383	-0.45825195	-0.41607644
-0.47723389	0.64582425	0.26251221	0.83175659	0.64710999
0.48522949	0.44844355	0.43246460	0.24653625	-0.38813782
-C.41087141	-0.60951233	-0.60951233	-0.38813782	-0.41087341
-C.57270413	-C.60951233	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.4C9317C2	0.514C5334	0.42837524	0.69915771	0.49935913
0.31918335	0.44004822	0.68994141	-0.38854980	-0.43019104
-C.54133038	-0.56623840	-C.51358032	-0.37934875	-0.62303162
-0.51701355	0.5C2304C8	0.	0.90481567	0.79763794
C.41331482	0.66017151	0.95309703	0.16867065	-0.36038208
-C.47024536	-0.86586108	-0.36038208	-0.36038208	-0.86386108
-C.36038208	-0.36038208	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	0.71467114	0.45033264	0.30184937	0.50122375
C.52476501	0.35351563	0.35351563	-0.52777100	-0.53433228
-0.51466370	-0.55297852	-0.44911194	-0.57894897	-0.29866028
-0.54292297	0.	1.00000000	0.92243958	0.25819397
0.03733926	0.09213257	1.00000000	0.68984985	-0.68138123
-C.54257202	0.	-0.68138123	-0.63304138	0.
-C.68138123	-C.79018188	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.30976468	0.32145691	0.30766296	0.44818115	0.79269409
0.58094788	0.34654917	0.89178467	-C.50469971	-C.61448649
-0.55937.45	-0.53849315	-0.24009705	-0.43608093	-0.58587644
-C.50014616	0.	0.97648621	0.97648621	0.99880981
C.62561135	0.18922424	0.13638304	0.09693909	-C.26798096
-C.36798096	-0.12911987	-C.36798096	-0.36798096	-0.78794861
-0.94564819	-C.66528320	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.47546223
0.47573964
-0.52773388
-0.47419994
0.25964941
-0.63204482
-0.82590.17

0.97104492
0.91956177
-0.52983911
0.69499207
0.34989929
-0.54179382
-0.19671631

0.47770691
0.48185730
-0.50611477
0.34376526
0.69499207
-0.19671631
0.

0.52946802
-0.52470398
-0.52752684
0.26579285
0.69499207
-0.63204482
0.

0.47431946
-0.49382563
-0.41465759
0.69499207
-0.62590827
-0.54799837
0.

COMPONENT 69. 1 G-WEIGHTS

0.39894154
0.37653.13
-0.61554533
-0.37970295
0.96410726
-0.91098.22
-0.18521118

0.74914551
0.49493408
-0.25355536
0.
0.99081421
-0.40408325
-0.44052124

0.39353343
0.45797729
-0.41490173
0.80784302
0.32054138
-0.18521118
0.

0.37710571
-0.49049377
-0.37038879
0.99081421
0.41923471
-0.44052124
0.

0.73118591
-0.37565308
-0.36861877
0.32699912
-0.44052124
-0.99275208
0.

COMPONENT 70. 1 G-WEIGHTS

0.52363477
0.51385499
-0.57884924
-0.06936.97
0.5389273
-0.90536499
-0.53001831

0.51588440
0.39682007
-0.50947571
0.57641602
0.
-0.55001831
-0.55001831

0.54290771
0.52833557
-0.57096863
0.
0.2757263
-0.55001831
0.

0.44685791
-0.52032471
-0.50883484
0.54704285
1.00000000
-0.31742859
0.

0.50942993
-0.57859802
-0.56861877
1.00000000
-0.25921431
-0.31742859
0.

COMPONENT 71. 1 G-WEIGHTS

0.50782776
0.54944899
-0.46879578
-0.54573059
0.72016907
-0.33416748
-0.36143494

0.50851440
0.39860535
-0.45391846
0.75323486
0.55640302
-0.36143494
-0.36143494

0.53352356
0.46083089
-0.54559326
0.23964816
0.70837402
-0.49743652
0.

0.53422546
-0.03.4956
-0.47019958
0.08840942
0.68110637
-0.87484741
0.

0.50666509
-0.55609131
-0.47810474
0.25166321
-0.87484741
-0.33416748
0.

COMPONENT 72. 1 G-WEIGHTS

0.51002502
0.41107178
-0.53929138
-0.40835571
0.35383604
-0.80905151
-0.49028015

0.50268555
0.55169678
-0.50198364
0.
0.75921631
-0.30450439
-0.48756409

0.53459167
0.50090027
-0.48600769
0.87554932
0.57441711
-0.83042908
0.

0.49482727
-0.4747205
-0.59542847
0.69075012
0.57441711
-0.30450439
0.

0.49362183
-0.49748230
-0.49645722
0.17170715
-0.28312683
-0.49028015
0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000
0.70793477
0.30033474
0.47456360
0.
0.46103333
0.03263855
0.07037354
0.27671414
0.61358643
0.94216592
0.41160587
0.02633667
-0.67340388
-0.45896712
-0.94886943
-0.42257113
-0.86575117
-0.07367107
-0.66079358
-0.4727.436
-0.354.63
-0.42.76709
0.
-0.25453196

-0.50000000
0.56229461
0.26971436
1.00000000
0.10598755
0.68238931
0.83779907
0.20714332
1.00000000
0.
0.50445557
0.
0.67965698
-0.64573669
-0.49708557
-0.43374634
-0.39466858
-0.59344482
0.82818604
-0.63571167
-0.85411372
-0.13232422
-0.61593154
0.
0.

0.21298218
0.35772705
0.89324951
1.00000000
0.35997009
0.68177795
0.58551025
0.33204651
0.91113281
0.55653381
0.71792603
0.93920898
0.20019531
-0.43652344
-0.35566711
-0.79005459
-0.44335938
-0.33412170
-0.84434509
-0.66986084
-0.51272583
-0.10784912
-0.51048115
-0.53744507
-0.09486389
0.
0.

0.95039368
0.53935242
0.59548950
0.96243713
1.00000000
0.77105713
1.00000000
0.92788696
0.
0.62719727
0.26481628
0.
0.
-0.20828247
-0.46627808
-0.94866943
-0.92939758
-0.93325806
-0.14848328
-0.49404907
-0.76603699
-0.70571899
0.
-0.11769104
-0.89549255
0.
0.

0.73611450
0.64349365
0.76780701
0.62612915
0.81570129
0.20458984
0.78243713
0.65538025
0.15599060
0.90980530
0.
0.38768005
-0.45094299
-0.80470276
-0.13232422
0.
-0.55661011
-0.24650574
-0.37780762
-0.91468811
-0.62324524
-0.32151794
-0.74281311
0.
-0.70870972
0.
0.

COMPONENT 2. 2 G-WEIGHTS

0.50000000
0.
0.05506847
0.53874207
0.80043457
0.89285278
1.00000000
0.63630676
0.64682.70
0.92993.64
0.
0.62676.38
-0.94219281
-0.84996.06
-0.41432678
-0.14773010
-0.13746643
-0.15653192
-0.39033628
-0.24716.87
0.
-0.94327429
-0.94327429
-0.53226.3
-0.17257195

-0.50000000
0.24229431
0.55534363
0.47340393
0.86389160
0.11529541
0.97393799
0.60896301
0.
0.74673462
0.47755432
0.80552673
0.54677124
-0.86083936
0.
-0.50398254
-0.42594910
0.
0.07926941
-0.58735657
-0.26408167
-0.73074341
0.
-0.97093828
-0.03572083
-0.49411011
0.
0.

0.76216125
0.70962524
0.26498413
0.49324036
1.00000000
0.89439392
0.53063365
0.09559631
0.89837644
0.93464661
0.17372131
0.80146790
0.24220276
-0.83164978
-0.42059326
-0.99093628
-0.99093628
-0.31610107
-0.45599365
-0.99093628
-0.20153809
-0.88726407
-0.35075178
-0.11769104
-0.20428467
-0.54530334
0.
0.

0.09889221
0.16238403
0.45823669
0.08045959
0.10185242
0.
0.93464661
1.00000000
0.
0.89439392
0.
0.01202393
0.61457825
0.97393799
-0.99093628
-0.99093628
-0.76892090
-0.31610107
-0.40086365
-0.99093628
-0.99093628
-0.99093628
-0.93869019
-0.09165955
-0.03572083
-0.23750305
0.
0.
0.

0.17147827
0.
0.93389893
0.73175049
0.57955933
0.
0.18579102
0.29754639
0.70037842
0.89439392
0.
0.72844841
0.93464661
-0.27738953
-0.80981775
-0.93544086
-0.11637878
-0.18119812
-0.45245361
-0.12257385
-0.43304443
-0.93869019
-0.09165955
-0.03572083
-0.23750305
0.
0.
0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36796296
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.56131383
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.79466471
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.79466471

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.0055506	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4416817	20. 1	0.
21. 1	0.	22. 1	0.1634167	23. 1	0.	24. 1	0.	25. 1	0.2790327
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.5745736	33. 1	0.4113609	34. 1	0.	35. 1	0.
36. 1	0.2550222	37. 1	0.	38. 1	0.6902758	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.2426819	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.3057632	55. 1	0.
56. 1	0.	57. 1	0.0713738	58. 1	0.	59. 1	0.	60. 1	0.4581212
61. 1	0.	62. 1	0.	63. 1	0.4108153	64. 1	0.1734493	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.3817157	69. 1	0.	70. 1	0.0997009
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.50060031
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.89116140
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.89116140

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0482259	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.04823
 SUM NO. 2 IS 0.

*** 61 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37267485
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89149557
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41031629
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15090594
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.15090594

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0016354	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6593842	17. 1	0.	18. 1	0.	19. 1	0.3156569	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1222916	24. 1	0.7814694	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1635166	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6519103	42. 1	0.8457646	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6442420	48. 1	0.4064949	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5174014	58. 1	0.	59. 1	0.	60. 1	0.1083343
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2390522	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44356750
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57937717
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.57937717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0721404	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.07214

*** 62 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40894054
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.72360893
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03827731
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35294570
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19561191
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11694442
 ** CONTROL=000000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.1169442

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0303110
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.9041037	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7313655	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4990706	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4147149	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7933920	58. 1	0.0671165	59. 1	0.	60. 1	0.2640446
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3175917
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57855944
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.26006235
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.41971090
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49913510
 ** CONTROL=0700000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.95942304
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.18956694
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -2.18956694

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0325787	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.03258								
SUM NC. 2 IS	0.								

*** 43 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45816360
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97224125
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.49631890
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22928008
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35779949
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29353979
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.29353979

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0995564	4. 1	0.6116418	5. 1	0.
6. 1	0.7518299	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7664716
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.5350912	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1769737	29. 1	0.41260~1	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7618916
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1411955	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6029962
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3286474	2. 2	0.7403058	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.32865								
SUM NC. 2 IS	0.74031								

*** 64 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.08164676
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25963960
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43733244
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34841102
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30395032
 ** CONTROL=0000000007

5 BIAS CHANGES

```

LEVEL 1 MS = C.C0000000 BIAS = -0.30395C32

COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0. 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0.0152362 8. 1 0. 9. 1 0.6774032 10. 1 0.4234463
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0.00010042 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0.3240592 27. 1 0. 28. 1 0.3773440 29. 1 0. 30. 1 0.
31. 1 0.4669071 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 0.
36. 1 0. 37. 1 0.9735082 38. 1 0. 39. 1 0. 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0.2669432 45. 1 0.
46. 1 0. 47. 1 0.1430410 48. 1 0. 49. 1 0. 50. 1 0.
51. 1 0.5032264 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0. 57. 1 0. 58. 1 0.3211011 59. 1 0. 60. 1 0.
61. 1 0.1233053 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.1001535
66. 1 0. 67. 1 0.1107610 68. 1 0. 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0. 0. 0. 0. 0. 0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.32264107
** CONTROL=C000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.64520216
** CONTROL=C000000003
2 BIAS CHANGES

```

```

LEVEL 2 MS = C. BIAS = -0.64520216

COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 1.000000 2. 2 0. 0. 0. 0. 0. 0.
SUM NC. 1 IS 1.000000
SUM NC. 2 IS 0.

*** 65 INPUT M4 IDENTIFICATION CORRECT
M1NPS=00000000005 NCVC5=C0000000014 INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41330211
** CONTROL=C000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01462665
** CONTROL=C000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.61507110
** CONTROL=C000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31524092
** CONTROL=C000000007
4 BIAS CHANGES

```

```

LEVEL 1 MS = 0.05999999 BIAS = -1.31524092

COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0. 3. 1 0.6670524 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0. 8. 1 0. 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.6520009
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0. 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0. 35. 1 0.
36. 1 0. 37. 1 0. 38. 1 0.1007546 39. 1 0. 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0. 45. 1 0.7050023
46. 1 0.44579702 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.2295154
51. 1 0.50000035 52. 1 0.3403045 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0. 63. 1 0. 64. 1 0. 65. 1 0.
66. 1 0. 67. 1 0.7192930 68. 1 0. 69. 1 0.5250750 70. 1 0.
71. 1 0. 72. 1 0. 0. 0. 0. 0. 0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.06430109
** CONTROL=C000000001
1 BIAS CHANGES

```

```

LEVEL 2 MS = C. BIAS = 0.06430109

COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0. 2. 2 0.9356901 0. 0 0. 0. 0.
SUM NC. 1 IS 0.
SUM NC. 2 IS 0.93570

*** 66 INPUT M4 IDENTIFICATION CORRECT
M1NPS=00000000004 NCVC5=C0000000014 INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
** CONTROL=C000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 47.50462019
** CONTROL=C000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 23.78703618
** CONTROL=C000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 11.92824042
** CONTROL=C000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.99804242
** CONTROL=C000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.03414345
** CONTROL=C000000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.55179396
** CONTROL=C000000003

```


ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01061922
 ** CONTROL=C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.44003106
 ** CONTROL=C00CJ000C007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.62532553
 ** CONTROL=C00C0000C0C7
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.53267869
 ** CONTROL=C0700000C007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.5790C211
 ** CONTROL=C0000000C007
 12 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.5790C211

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0466968	2. 1	0.1420821	3. 1	0.37C5856	4. 1	0.0671607	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0878112	9. 1	0.5143883	10. 1	0.1695115
11. 1	0.	12. 1	0.	13. 1	0.0092911	14. 1	0.0255395	15. 1	0.1939533
16. 1	0.1079032	17. 1	0.0329351	18. 1	0.1157414	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0416568	24. 1	0.3196167	25. 1	0.
26. 1	0.1581884	27. 1	0.0604468	28. 1	0.	29. 1	0.1418406	30. 1	0.0699060
31. 1	0.1999329	32. 1	0.	33. 1	0.	34. 1	0.1047345	35. 1	0.
36. 1	0.	37. 1	0.4208702	38. 1	0.	39. 1	0.2535560	40. 1	0.
41. 1	0.3958948	42. 1	0.	43. 1	0.0468293	44. 1	0.	45. 1	0.0842291
46. 1	0.0503690	47. 1	0.0940368	48. 1	0.	49. 1	0.0915834	50. 1	0.
51. 1	0.1545052	52. 1	0.0895643	53. 1	0.	54. 1	0.	55. 1	0.0309455
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0204592	60. 1	0.
61. 1	0.2015722	62. 1	0.0736871	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0419150	67. 1	0.2705784	68. 1	0.	69. 1	0.0670229	70. 1	0.
71. 1	0.	72. 1	0.0234746	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.12183654
 ** CONTROL=C0000000C0001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.12183654

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5487752	2. 2	0.4512248	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.54878
 SUM NC. 2 IS 0.45122

*** 67 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40656336
 ** CONTROL=C00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93774280
 ** CONTROL=C00C00000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46892224
 ** CONTROL=C00C00000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20333253
 ** CONTROL=C00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33612739
 ** CONTROL=C00C0000C007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.33612739

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3191919	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3432337	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6636283	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6570409	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7180850	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6803889
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2526542	64. 1	0.2633468	65. 1	0.
66. 1	0.	67. 1	0.6367147	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.43006149
 ** CONTROL=C00C0000C001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.86012299
 ** CONTROL=C00C0000C003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.86012299

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NC. 1 IS 0.
 SUM NC. 2 IS 1.00000

*** 68 INPUT MS IDENTIFICATION CORRECT
 MINPS=000000000002 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.04702365
 ** CONTROL=C00C00000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15880322
 ** CONTROL=C00C0000C003

2 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.15840322

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1066131	2. 1	0.	3. 1	0.3587813	4. 1	0.	5. 1	0.3132565
6. 1	0.2864881	7. 1	0.	8. 1	0.0574768	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2274193	13. 1	0.	14. 1	0.	15. 1	0.2489999
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3172292	28. 1	0.	29. 1	0.	30. 1	0.1911445
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3446757	35. 1	0.5448882
36. 1	0.1648384	37. 1	0.	38. 1	0.	39. 1	0.8134057	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0819827
46. 1	0.	47. 1	0.	48. 1	0.4309051	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7650799	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0785175	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44494048

CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.88988099

CONTROL=000000000003

2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.88988099

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.000000								
SUM NC. 2 IS	0.								

*** 69 INPUT H6 IDENTIFICATION CORRECT

MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.46254507

CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09156905

CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.72057513

CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.40606755

CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24881381

CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32744068

CONTROL=000000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.32744068

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3230542	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.6408161	13. 1	0.	14. 1	0.2286597	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.2144370	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0466456
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.2631795	32. 1	0.	33. 1	0.3823464	34. 1	0.	35. 1	0.
36. 1	0.1834260	37. 1	0.0830077	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0730825	44. 1	0.1209064	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1216612	55. 1	0.7229302
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.7045513	63. 1	0.0194485	64. 1	0.0918307	65. 1	0.4800353
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0798956	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.07990								

*** 70 INPUT V6 IDENTIFICATION CORRECT

MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

END OF INPUT. SIMULATION COMPLETE.

MAIN TEST IS DONE.

#####

65-624, FLAINGER, J.G., MRRAM

JOB 250 ACCOUNTING 040566

TOTAL 7044 TIME	120305
TOTAL 7094 TIME	000431
TOTAL CARDS READ	002742
TOTAL CARDS PUNCHED	000124
TOTAL LINES PRINTED	000132
TOTAL TAPES USED	000002

Z.D.

THE CHALLENGE IN GOOD PROGRAM DESIGN AND DEVELOPMENT
IS TO DISTINGUISH USEFUL IDEAS FROM THE INGENIOUS

ZERO DEFECTS

#####

9 214833 0 \$JOB 321 0,10,15000 65-424,FLAUGHER, J.G.,NRBAM

90 UNIT FUNCTION SYMBOLIC	RD CRD	PU PCM	PR PRT	A1 LBL	A2 INL	A3 OUL	A4 PPL	A5 CK1	A6	A7	A8	A9	A0	B1 UT1	B2 UT2	B3 UT3	B4 UT4	B5 CK2	B6	B7
40 LOGICAL	32	33	34	00	01	02	03	04	A(4)	B(1)	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK
90 UNIT FUNCTION SYMBOLIC	88	89	80	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6					
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK					

9 214833 0 \$SETUP A(4) DISK,1106
9 214833 0 \$SETUP B(1) DISK,1327
9 214833 0 \$ATEND 00000,77777,6,DUMP
9 214833 0 \$EXECUTE 18JOB

9 215048 0 6701 LINES OUTPUT.
9 215052 0 \$SEOP

9 215052 0 PERIPHERAL FILE P' ITIONS AT END OF JOB

9 215052 0 \$VSPP1 REC. 00642, FILE 00000
9 215052 0 \$VSOU1 REC. 01186, FILE 00000
9 215052 0 \$VSINI REC. 00001, FILE 00003

9 215052 0 END OF JOB

9 215056 0 SYSTEMS CORE DUMP TAKEN AT THIS POINT

18JOB VERSION 5 HAS CONTROL.
\$18JOB MAP
\$18MAP UN01

UN01
7094 RELMOD ASSEMBLY.

01/28/66

PAGE 1

\$1BLDR UN01

28 JAN 66

UN010000

\$FILE UN01 'UNIT01',A(1),READY,INDIT,BLK=256,BIN

UN010001

UN01
FILE DICTIONARY.

01/28/66

PAGE 2

\$FDICT UN01

UN010002

BINARY CARD ID. UN010003
206002000400 UNIT01 FILE 'UNIT01
000000000000
644531630001
606060606060
606060606060

BIN,INDOUT,NOHCVN,BLK=256

UN01
ASSEMBLED TEXT.

01/28/66

PAGE 3

\$TEXT UN01

UN010004

ENTRY UN01.

BINARY CARD ID. UN010005
00000 0 00000 0 04001 10010 UN01. PZE UNIT01
00000 01111 UNIT01 FILE ,A(1),READY,INDOUT,BLK=256,BIN
END

UN01
CONTROL DICTIONARY

01/28/66

PAGE 4

\$CDICT UN01

UN010006

BINARY CARD ID. UN010007

000001000000
000004000005
644500016060
000001000000
336445000133
000000000000
\$DEND UN01

PREFACE

START=0,LENGTH=1,TYPE=7094,CPLX=5

UN01 DECK

LOC=0,LENGTH=1

.UN01. REAL

LOC=0,LENGTH=0

UN010008

NO MESSAGES FOR THIS ASSEMBLY

UN01
SYMBOL REFERENCE DATA

01/28/66

PAGE 5

REFERENCES TO DEFINED SYMBOLS.

CLASS SYMBOL VALUE REFERENCES

.UN01. 00000
LCTR BLCTR
QUAL UN03
LCTR //
FILE UNIT01 1 0

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PAGE 6

\$IBMAP UN03

UN03
7094 RELMOD ASSEMBLY.

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\$IBLDR UN03

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UN030000

\$FILE UN03

UNIT03,A(3),READY,INOUT,BLK=256,BIN

UN030001

UN03
FILE DICTIONARY.

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\$FDICT UN03

UN030002

BINARY CARD ID. UN030003

206002000400
000000000000
644531630003
606060606060
606060606060

UNIT03 FILE *UNIT03

BIN,INOUT,NQMCVN,BLK=256

UN03
ASSEMBLED TEXT.

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\$TEXT UN03

UN030004

ENTRY .UN03.

BINARY CARD ID. UN030005

00000 0 00000 0 04001 10010
00000 01111

.UN03. PZE
UNIT03 FILE
END

UNIT03
,A(3),READY,INOUT,BLK=256,BIN

UN03
CONTROL DICTIONARY

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\$CDICT UN03

UN030006

BINARY CARD ID. UN030007

000001000000
000004000005
644500036060
000001000000
336445000333
000000000000
\$DEND UN03

PREFACE

START=0,LENGTH=1,TYPE=7094,CPLX=5

UN03 DECK

LOC=0,LENGTH=1

.UN03. REAL

LOC=0,LENGTH=0

UN030008

NO MESSAGES FOR THIS ASSEMBLY

UN03
SYMBOL REFERENCE DATA

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PAGE

REFERENCES TO DEFINED SYMBOLS.

CLASS SYMBOL VALUE REFERENCES

.UN03. 00000
LCTR BLCTR
QUAL UN03
LCTR //
FILE UNIT03 1 0

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SIGNAP UN04

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UN04
7094 RELMUD ASSEMBLY.

SIBLDR UN04

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UN040000

\$FILE UN04 *UNIT04*,A(4),READY,INOUT,BLK=256,BIN

UN040001

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PAG

UN04
FILE DICTIONARY.

UN040002

\$FDICT UN04

BINARY CARD ID. UN040003
206002000400 UNIT04 FILE *UNIT04
000000000000
644531630004
606060606060
606060606060

BIN,INOUT,NOHCVN,BLK=256

01/28/66

UN04
ASSEMBLED TEXT.

UN040004

\$TEXT UN04

ENTRY .UN04.

BINARY CARD ID. UN040005
00000 0 00000 0 04001 10010 .UN04. PZE UNIT04
00000 01111 UNIT04 FILE END
UNIT04
A(4),READY,INOUT,BLK=256,BIN

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UN04
CONTROL DICTIONARY

UN040006

\$CDICT UN04

BINARY CARD ID. UN040007
000001000000 PREFACE START=0,LENGTH=1,TYPE=7094,CHPLX=5
000004000005 UN04 DECK LOC=0,LENGTH=1
644500046060 .UN04. REAL LOC=0,LENGTH=0
000001000000
3364450.0433
000000000000
\$DEND UN04

UN040008

NO MESSAGES FOR THIS ASSEMBLY

01/28/66

UN04
SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN04.	00000	
LCTR	BLCTR		
QUAL	UN03		
LCTR	//		
FILE	UNIT04	1 0	

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PA

SIGNAP UN08

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UN08
7094 RELMUD ASSEMBLY.

SIBLDR UN08

28 JAN 66

UN080000

\$FILE UN08 *UNIT08*,A(8),READY,INOUT,BLK=14,BCD

UN080001

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UN08
FILE DICTIONARY.

UN080002

\$FDICT UN08

BINARY CARD ID. UN080003
202002000016 UNIT08 FILE *UNIT08
000000000000
644531630010
606060606060
606060606060

BCD,INOUT,NOHCVN,BLK=14

01/28/66

PAGE

UN08
ASSEMBLED TEXT.

UN080004

\$TEXT UN08

ENTRY .UN08.

BINARY CARD ID. UN080005
00000 0 00000 0 04001 10010 .UN08. PZE UNIT08
00000 01111 UNIT08 FILE FND
UNIT08
A(8),READY,INOUT,BLK=14,BCD

UN08
CONTROL DICTIONARY

01/28/66

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%CDICT UN08

UN080004

BINARY CARD ID. UN080007
000001000000 PREFACE START=0,LENGTH=1,TYPE=7094,CPLX=5
000004000005
644500106060 UN08 DECK LOC=0,LENGTH=1
000001000000
336445001033 .UN08. REAL LOC=0,LENGTH=0
000000000000
\$DKEND UN08

UN080008

NO MESSAGES FOR THIS ASSEMBLY
UN08
SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN08.	00000	
LCTR	BLCTR		
QUAL	UNQ3		
LCTR	//		
FILE	UNIT09	1 0	

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PAGE

\$IBMAP UN09

UN09
7094 RELMOD ASSEMBLY.

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\$IBLOR UN09

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UN090000

\$FILE UN09 'UNIT09',A(9),READY,INOUT,BLK=256,BIN

UN090001

UN09
FIRE DICTIONARY.

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%CDICT UN09

UN090002

BINARY CARD ID. UN090003
206002000400 UNIT09 FILE 'UNIT09
000000000000
644531630011
606060606060
606060606060

BIN,INOUT;NOHCVN,BLK=256

UN09
ASSEMBLED TEXT.

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\$TEXT UN09

UN090004

ENTRY .UN09.

BINARY CARD ID. UN090005
00000 0 00000 0 04001 10110 .UN09. PZE UNIT09
00000 01111 UNIT09 FILE ,A(9),READY,INOUT,BLK=256,BIN
END

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PAGE

UN09
CONTROL DICTIONARY

%CDICT UN09

UN090006

BINARY CARD ID. UN090007
000001000000 PREFACE START=0,LENGTH=1,TYPE=7094,CPLX=5
000004000005
644500116060 UN09 DECK LOC=0,LENGTH=1
000001000000
336445001133 .UN09. REAL LOC=0,LENGTH=0
000000000000
\$DKEND UN09

UN090008

NO MESSAGES FOR THIS ASSEMBLY
UN09
SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN09.	00000	
LCTR	RLCTR		
QUAL	UNQ3		
LCTR	//		
FILE	UNIT09	1 0	

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\$IBMAP UN10

UN10
7094 RELMOD ASSEMBLY.

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SIMLDR UN10 28 JAN 66
\$FILE UN10 'UNIT10',A(7),%QUNT,INPUT,BLK=14,BCD

UN100000

UN100001

UN10
FILE DILCTIONARY.

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\$FDICT UN10

UN100002

BINARY CARD ID. UN100003
200002000016 UNIT10 FILE 'UNIT10'
000000000000
644531630100
606060606060
606060606060

BCD,INPUT,NOHCVN,BLK=14

UN10
ASSEMBLED TEXT.

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\$TEXT UN10

UN100004

ENTRY .UN10.

BINARY CARD ID. UN100005
00000 4 00000 0 04001 10010 .UN10. MZE UNIT1C
00000 01111 UNIT10 FILE .A(7),%QUNT,INPUT,BLK=14,BCD
END

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UN10
CONTROL DICTIONARY

\$CDICT UN10

UN100006

BINARY CARD ID. UN100007
000001000000 PREFACE START=0,LENGTH=1,TYPE=7094,CPPLX=5
000004000005 UN10 DECK LOC=0,LENGTH=1
6445C1006060 .UN10. REAL LOC=0,LENGTH=0
000001000000
336445010033
000000000000
\$DKEND UN10

UN100008

NO MESSAGES FOR THIS ASSEMBLY

UN10
SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN10.	00000	
LCTR	BLCTR		
QUAL	UN09		
LCTR	//		
FILE	UNIT10	1	0

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\$IRMAP UN11

UN11
7094 RELMOD ASSEMBLY.

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SIMLDR UN11 28 JAN 66
\$FILE UN11 'UNIT11',A(7),%QUNT,INPUT,BLK=256,RIN

UN110000

UN110001

UN11
FILE DICTIONARY.

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\$FDICT UN11

UN110002

BINARY CARD ID. UN110003
204002000400 UNIT11 FILE 'UNIT11'
000010000000
644531630101
606060606060
606060606060

RIN,INPUT,NOHCVN,BLK=256

UN11
ASSEMBLED TEXT.

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STEXT UN11

UN110004

ENTRY .UN11.

BINARY CARD ID. UN110005
00000 0 00000 0 04001 10010 .UN11. PZE UNIT11
00000 01111 UNIT11 FILE .A(7),MCUNT,INPUT,BLK=256,BIN
END

UN11
CONTROL DICTIONARY

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SCDICT UN11

UN110006

BINARY CARD ID. UN110007
000001000000 PREFACE START=C,LENGTH=1,TYPE=7094,CMPLX=5
000004000005
644501016060 UN11 DECK LOC=0,LENGTH=1
000001000000
336445010133 .UN11. REAL LOC=0,LENGTH=0
000000000000
80KEND UN11

UN110008

NO MESSAGES FOR THIS ASSEMBLY

UN11
SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN11.	00000	
LCTR	BLCTR		
QUAL	UNQS		
LCTR	//		
FILE	UNIT11	1 0	

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SIGMAP UN12

UN12
7094 RELMOD ASSEMBLY.

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SIBLDR UN12 28 JAN 66
%FILE UN12 'UNIT12',B(1),MOUNT,OUTPUT,BLK=256,800,BIN,LIST

UN120000

UN120001

UN12
FILE DICTIONARY.

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SCDICT UN12

UN120002

BINARY CARD ID. UN120003
205002000400 UNIT12 FILE 'UNIT12
000000000000 BIN,OUTPUT,NOMCVN,BLK=256
644531630102
606060606060
606060606060

UN12
ASSEMBLED TEXT.

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STEXT UN12

UN120004

ENTRY .UN12.

BINARY CARD ID. UN120005
00000 0 00000 0 04001 10010 .UN12. PZE UNIT12
00000 01111 UNIT12 FILE .B(1),MOUNT,OUTPUT,BLK=256,800,BIN,LIST
END

UN12
CONTROL DICTIONARY

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SCDICT UN12

UN120006

BINARY CARD ID. UN120007
000001000000 PREFACE START=C,LENGTH=1,TYPE=7094,CMPLX=5
000004000005
644501026060 UN12 DECK LOC=0,LENGTH=1
000001000000
336445010233 .UN12. REAL LOC=0,LENGTH=0
000000000000
80KEND UN12

UN120008

NO MESSAGES FOR THIS ASSEMBLY

UN12
SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	UN12.	00000	
ICTR	BLCFA		
QUAL	UNCS		
LCTR	//		
FILE	UNIT12	1 0	

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SIDMAP MAIN

MAIN
7094 RELMOD ASSEMBLY.

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SIDBLD MAIN

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#41N0000

MAIN
ASSEMBLED TEXT.

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STEXT MAIN

MAIN0001

BINARY CARD ID. MAIN0002

00000	1 00000 0 00005	10001	MAIN	SAVE	(4), 1
00001	0774 00 4 00000	10000			
00002	0441 00 0 00004	10001			
00003	0020 00 4 00001	10000			
00004	0 00000 0 00000	10000			
00005	0604 00 0 00004	10001			
00006	0634 00 4 13000	10011			
00007	0634 00 4 00110	10001			
00010	0634 00 4 00001	10001			
00011	000000000000	00010	CALL	RDCC(READOP, NUMIN, NAMES, ISM, KEYS)	
00011	0074 00 4 07000	10011			
00012	1 00005 0 01007	10011			
00013	0 00110 0 00002	10100			
00014	0 00000 0 00100	10001			
00015	0 00000 0 00101	10001			
00016	0 00000 0 00102	10001			
00017	0 00000 0 00107	10001			
00020	0 00000 0 00103	10001			
00021	0441 00 0 00103	10001	LDI	KEYS	

BINARY CARD ID. MAIN0003

00022	4056 00 000001	10000	LNT		
00023	000000000000	00010	CALL	FTGEN(LNOS, NUMIN)	
00023	0074 00 4 12000	10011			
00024	1 00002 0 01004	10011			
00025	0 00110 0 00005	10100			
00026	0 00000 0 00104	10001			
00027	0 00000 0 00101	10001			
00030	4056 00 000002	10000	CONV	LNT	2
00031	000000000000	00010	CALL	IPTCN(READOP, NUMIN, NAMES)	
00031	0074 00 4 10000	10011			
00032	1 00003 0 01005	10011			
00033	0 00110 0 00007	10100			
00034	0 00000 0 00100	10001			
00035	0 00000 0 00101	10001			
00036	0 00000 0 00102	10001			
00037	4056 00 000004	10000	NETONE	LNT	4
00040	000000000000	00010	CALL	NETAS1(NET, STENP)	
00040	0074 00 4 05000	10011			
00041	1 00002 0 01004	10011			

LNK00017

BINARY CARD ID. MAIN0004

00042	0 00110 0 00011	10100			
00043	0 00000 0 00105	10001			
00044	0 00000 0 00106	10001			
00045	000000000000	00010	CALL	NETSIP(LNOS, READOP, NUMIN, NAMES, KEYS, ISM)	
00045	0074 00 4 04000	10011			
00046	1 00006 0 01010	10011			
00047	0 00110 0 00012	10100			
00050	0 00000 0 00104	10001			
00051	0 00000 0 00100	10001			
00052	0 00000 0 00101	10001			

MAIN
ASSEMBLED TEXT.

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00053	0 00000 0 00107	10001			
00054	0 00000 0 00103	10001			
00055	0 00000 0 00107	10001			
00056	4054 00 000010	10000	LFT	10	
00057	0020 00 0 14000	10011	TRA	SYSOMP	
00060	000000000000	00010	CALL	.FWRD.(UN06., DONE)	
00060	0074 00 4 110 0	10011			
00061	1 00002 0 01004	10011			
00062	0 00110 0 00015	10100			

2-205 (0000-20)

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12-1-100000

PAINDOCIG

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STIMP 00106 44
REFERENCES TO VIRTUAL SYMBOLS.

FXIT	3	70
IPTCON	8	31
FFIL	6	65
FWRD	9	60
UMCG	13	63
MTAG1	5	40
MTG64	10	23
MTS3H	4	45
PUCC	7	11
SYSIMP	12	57
SYSLOC	11	6

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SIBFTC RDCCI M94/2,117

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RDCCI - EFN SOURCE STATEMENT - IFN(S) -

```

SUBROUTINE RDCC(READOP,NUMIN,NAMES,ISM,KEYS)
DATA CCNTL/6MCONTRL/
INTEGER READOP,USKEYS
DIMENSION USKEYS(36)
READ(5,7000)CNTL,READOP,NUMIN,NAMES,ISM,(USKEYS(K),K=1,36)
IF(CCNTL.NE.CNTL) GO TO 111
IF(READOP.LT.1.U,READOP.GT.3) GO TO 111
IF(NUMIN.GT.510.GR.NUMIN.LT.1)GO TO 111
KEYS=0
DO 1 1=1,36
KEYS=2+KEYS
1 KEYS=KEYS+USKEYS(1)
WRITE(6,7001)READOP,NUMIN,NAMES,KEYS,ISM
2 RETURN
111 WRITE(6,7002)
STOP
7000 FORMAT(1A6,12,13,14,11,20X,3611)
7001 FORMAT(13HICONTROL CARD/5X,7HREADOP=,12/5X-6HNUMIN=,13/5X,6HNAMES=
1,14/5X,9HKEYS=,012/5X,4HISM=,11)
7002 FORMAT(26HIRDCC CONTROL CARD - STOP.)
END

```

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RDCCI			STORAGE MAP			SUBROUTINE RDCC		
			DIMENSIONED PROGRAM VARIABLES					
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
USKEYS	00001	I						
			UNDIMENSIONED PROGRAM VARIABLES					
CNTL	00045	R	CCNTL	00046	R			
			ENTRY POINTS					
RDCC SECTION 2			SUBROUTINES CALLED					
JFRDD.	SECTION	3	JFWRD.	SECTION	4	JEXIT.	SECTION	5
JUN05.	SECTION	6	JFRTN.	SECTION	7	JFCNV.	SECTION	8
JUN06.	SECTION	9	JFFIL.	SECTION	1C	SYSLOC	SECTION	11
			EFN IFN CORRESPONDENCE					
EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
7000	FORMAT	00061	111	31A	00222	70C2	25A	00174
7001	FORMAT	00066	2	30A	00221		FORMAT	00106

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00301.

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SIBMAP BTDF LIST,REF

LNK00030

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SIBLDR RTDF

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BTDF0000

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STEXT RTDF

BTDF0001

BINARY CARD ID.		RTDF0002		ENTRY RTDF			
00000	1 00000 0 00006	10001	BTDF	SAVE	(1,4)1		LNK00031
00001	0774 00 1 00000	10000					LNK00032
00002	0774 00 4 00000	10000					
00003	0441 00 0 00005	10001					
00004	0020 00 4 00001	10000					
00005	0 00000 0 00000	10000					
00006	0504 00 0 00005	10001					
00007	0634 00 4 04000	10011					
00010	0634 00 4 00052	10001					
00011	0634 00 4 00002	10001					
00012	0634 00 1 00001	10001					
00013	0600 00 0 00046	10001	STZ	TEMP2			LNK00033
00014	0500 60 4 00003	10000	CLA	3,4			LNK00034
00015	0771 00 0 00033	10000	ANS	27			LNK00035
00016	0601 00 0 00045	10001	STO	TEMP1			LNK00036
00017	0441 00 0 00045	10001	LDI	TEMP1			LNK00037
00020	0774 00 1 00010	10000	AXT	8,1			LNK00038
00021	0500 00 0 00054	10001	CLA	=0200			LNK00039
00022	0621 00 0 01001	10011	STA	**1			LNK00040

BINARY CARD ID. BTOF0001

00023	0054	00	000000	10000	B1	RFT	**	LNK00041
00024	0020	00	0 00030	10001		TRA	B3	LNK00042
00025	0771	00	0 00001	10000		ARS	1	LNK00043
00026	2 30001	1	00022	10001		TIX	B,1,1	LNK00044
00027	0774	00	1 00000	10000		AXT	0,1	LNK00045
00030	0634	00	1 00046	10001	B3	SXA	TEMP2,1	LNK00046
00031	0634	00	1 00040	10001		SXA	SHIFT,1	LNK00047
00032	0500	60	4 00004	10000		CLA*	4,4	
00033	0400	00	0 00046	10001		ADD	TEMP2	LNK00049
00034	0407	00	0 00055	10001		ADD	=0170	LNK00050
00035	076.	00	0 00033	10000		ALS	27	LNK00051
00036	0601	00	0 00045	10001		STO	TEMP1	LNK00052
00037	0500	60	4 00003	10000		CLA*	3,4	LNK00053
00040	0771	00	0 00000	10000	SHIFT	ARS	**	LNK00054
00041	4501	00	0 00045	10001		ORA	TEMP1	LNK00055
00042	0300	00	0 00056	10001		FAD	=C	LNK00056
00043	0601	60	4 00005	10000		STO*	5,4	LNK00057
			00044			RETURN	BTOF	LNK00058
00045	200000000001		00001	TEMP1	RSS	1		LNK00059

BINARY CARD ID. BTOF0004

00046	200000000002		00001	TEMP2	BSS	2	LNK00060
00050	200000000001		00001	TEMP3	BSS	1	LNK00061
00051	200000000001		00001	IND	BSS	1	
00052	000000000000		10000		*LDIR		
00053	226346266060		10000				
00054	0000000000200		10000		*LORG		
00055	0000000000170		10000				
00056	0000000000000		10000				
		00000	01111	END			LNK00062

CONTROL DICTIONARY

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%CDICT BTOF

BTOF0005

BINARY CARD ID. BTOF0006

000057000000	PREFACE	START=0,LENGTH=47,TYPE=7094,CPLX=5
000004000005		
226346266060	BTOF DECK	LOC=0,LENGTH=47
000057000000		
226346266060	BTOF REAL	LOC=0,LENGTH=0
000000000000		
226346266060	BTOF REAL	LOC=0,LENGTH=0
000000000000		
627062434623	SYSLOC VIRTUAL	SECT. 4
200000000000		
%DKEND BTOF		

BTOF0007

NO MESSAGES FOR THIS ASSEMBLY

SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	B1	00023	
	B3	00030	24
	B	00022	26
	BTOF	00000	44
	IND	00051	
	..0001	00002	11,12
	..0002	00004	3,6
	..0003	00006	0
LCTR	BLCTR		
QUAL	UNQS		
LCTR	//		
	SHIFT	00040	31
	TEMP1	00045	16,17,36,41
	TEMP2	00046	13,30,33
	TEMP3	00050	

REFERENCES TO VIRTUAL SYMBOLS.

SYSLOC 4 7

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\$IBLDR BPOINT
\$IBMAP NETGEN LIST,REF

\$P010000

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\$IBLDR NETGEN

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NETGEN00

ASSEMBLED TEXT.

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STEXT NETGEN

NETGEN01

QMOD	ENTRY	NETGEN	
	MACRO	D1,D2,D3,D4,D5,D6,D7,D8	
	CLA	D1	LNK10001
	ADD	ONE	LNK10002
	CAS	D2	LNK10003
	TRA	++23	LNK10004
	TRA	++1	LNK10005
	STO	D1	LNK10006
	CLA	D5	LNK10007
	ADD	ONE	LNK10008
	STO	D5	LNK10009
	CAS	D8	LNK10010
	TRA	++3	LNK10011
	TRA	++20	LNK10012
	TRA	++17	LNK10013
	CLA	ONE	LNK10014
	STO	D5	LNK10015
	ADD	D4	LNK10016
	STO	D4	LNK10017
	CAS	D7	LNK10018
	TRA	++3	LNK10019
	TRA	++12	LNK10020
	TRA	++11	LNK10021
	CLA	ONE	LNK10022
	STO	D4	LNK10023
	ADD	D3	LNK10024
	STO	D3	LNK10025
	TRA	++6	LNK10026
	CLA	ONE	LNK10027
	STO	D1	LNK10028
	STO	D3	LNK10029
	STO	D4	LNK10030
	STO	D5	LNK10031
	NDP	D6	LNK10032
	ENDM	QMOD	LNK10033
		INPUT	LNK10034
			LNK10035

BINARY CARD ID. NETGEN02

00000	1 00000	0 00007	10001	NETGEN SAVE	(1,2,4)1
00001	0774 00	2 00000	10000		
00002	0774 00	1 00000	10000		
00003	0774 00	4 00000	10000		
00004	0441 00	0 00006	10001		
00005	0020 00	4 00001	10000		
00006	0 00000	0 00000	10000		
00007	0604 00	0 00006	10001		
00010	0634 00	4 15000	10011		
00011	0634 00	4 10257	10001		
00012	0634 00	4 00003	10001		
00013	0634 00	1 00002	10001		
00014	0634 00	2 00001	10001		
00015	0634 00	4 00101	10001	SXA	10P1,4

00016	0774 00	1 03720	10000	TOP	AXT	2000,1
-------	---------	---------	-------	-----	-----	--------

						LNK10036
						LNK10037

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00017	0600 00	1 05303	10001	STZ	IN1+2000,1	LNK10040
00020	2 00001	1 41001	10011	TIX	*-1,1,1	LNK10041
						LNK10042
						LNK10043
						LNK10044
						LNK10045
						LNK10046
						LNK10047
						LNK10048
						LNK10049
						LNK10050
						LNK10051
						LNK10052

BINARY CARD ID. NETGEN03

00022	1 00037	0 01034	10011
00023	0 10257	0 00001	10100
00024	0 00000	0 04240	10001
00025	0 00000	0 04233	10001
00026	0 00000	0 10236	10001
00027	0 00000	0 04234	10001
00030	0 00000	0 04236	10001
00031	0 00000	0 04235	10001
00032	0 00000	0 01706	10001
00033	0 00000	0 01707	10001
00034	0 00000	0 01710	10001
00035	0 00000	0 04226	10001
00036	0 00000	0 03064	10001
00037	0 00000	0 03065	10001
00040	0 00000	0 01363	10001
00041	0 00000	0 01402	10001
00042	0 00000	0 01421	10001
00043	0 00000	0 01440	10001
00044	0 00000	0 01457	10001

.....CALL ROUTINE TO READ IN NETWORK PARAMETERS

CALL	RSF11(LEVNO,DT,EPSLN,MSTEP,CSAT,COMG,X,Y,Z,RND,PCH,
ETC	DCM,IN1,IN2,IN3,IN4,IN5,IN6,IN7,IN8,IN9,IN10,IN11,
ETC	IN12,IN13,IN14)1

BINARY CARD ID. NETGEN04

```

00045 C 00000 0 01476 10001
00046 C 00000 0 01515 10001
00047 C 00000 0 01534 10001
00050 C 00000 0 01551 10001
00051 C 00000 0 01572 10001
00052 C 00000 0 01611 10001
00053 C 00000 0 01630 10001
00054 C 00000 0 01647 10001
00055 C 00000 0 01666 10001
00056 C 00000 0 01686 10001
00057 C 00000 0 01707 10001
00060 C 00000 0 01746 10001
00061 C 00000 0 01766 10001
00062 C 00000 0 01786 10001
00063 C 00000 0 01806 10001
00064 C 00000 0 01826 10001
00065 C 00000 0 01846 10001
00066 C 00000 0 01866 10001
00067 C 00000 0 01886 10001

```

```

STZ NTSIZE
AXT 15,1 INITIALIZE NO. OF LEVEL
NTSZCL CLA IN4+15,1
ADD IN5+15,1
AND IN6+15,1
JED IN7+15,1
ACD +22 ADD CONTROL WORDS PER COMP.
STU NTSIZE+1 NUMBER OF WORDS PER COMP.
LDQ IN1+15,1
MPY IN2+15,1

```

BINARY CARD ID. NETGEN05

```

00070 C 00000 0 01440 10001
00071 C 00000 0 01460 10001
00072 C 00000 0 01480 10001

```

```

MPY IN3+15,1
MPY NTSIZE+1 MPY BY NUMBER OF WORDS PER COMP. PER LEVEL
XCA

```

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ASSEMBLED TEXT:

```

00073 C 00000 0 00166 10001
00074 C 00000 0 00166 10001
00075 C 00000 0 00166 10001
00076 C 00000 0 00166 10001
00077 C 00000 0 00166 10001
00100 C 00000 0 00145 10001
00101 C 00000 0 00000 10011
00102 C 00000 0 00000 10110
00103 C 00000 0 00000 10001
00104 C 00000 0 00000 10001
00105 C 00000 0 00000 10001
00106 C 00000 0 00000 10001
00107 C 00000 0 00000 10001
00110 C 00000 0 00000 10001
00111 C 00000 0 00000 10000

```

```

ADD NTSIZE CALCULATE NUMBER OF WORDS PER LEVEL.
STO NTSIZE
TIX NTSZCL+1,1
SUB NETMAX TEST NETWORK SIZE (17517-- 17/16/64
TZE +22 ZERO (17517-- BUT SIGN PLUS
TPL OVSIZE NETWORK GREATER THAN PERMITTED.
TOP1 AXT 0--0,4
CLA LFNVO
STOV 3,4
LDQ X
MPY Y
MPY Z
STQ M NUMBER OF COMPONENTS ON ZERO-TH LEVEL.
STQ MA
CLA 4,4 NO. OF SENSORY INPUTS

```

LNK10053
LNK10054
LNK10055
LNK10056
LNK10057

BINARY CARD ID. NETGEN06

```

00112 C 00000 0 001705 10001
00113 C 00000 0 00171 10001
00114 C 00000 0 00171 10010
00114 C 00000 0 00171 10011
00115 C 00000 0 00171 10011
00116 C 00000 0 00171 10100
00117 C 00000 0 00171 10011
00120 C 00000 0 00171 10001
00121 C 00000 0 00171 10001
00122 C 00000 0 00171 10011
00123 C 00000 0 00171 10000
00124 C 00000 0 00171 10011
00125 C 00000 0 00171 10010
00125 C 00000 0 00171 10011
00126 C 00000 0 00171 10011
00127 C 00000 0 00171 10100
00130 C 00000 0 00171 10010
00130 C 00000 0 00171 10011
00131 C 00000 0 00171 10011

```

```

SUM M
TZE OK NETWORK SIZE = NO. SENSORY INPUTS
CALL .FWRD.(UN06,UN06)
CLA M
TSX .FCNV.,4
CLA 4,4
TSX .FCNV.,4
CALL .FFIL.
CALL EXIT

```

BINARY CARD ID. NETGEN07

```

00132 C 00000 0 00171 10100
00133 C 00000 0 00171 10000
00134 C 00000 0 00171 10000
00135 C 00000 0 00171 10000
00136 C 00000 0 00171 10000
00137 C 00000 0 00171 10000
00140 C 00000 0 00171 10000
00141 C 00000 0 00171 10000
00142 C 00000 0 00171 10000
00143 C 00000 0 00171 10000
00144 C 00000 0 00171 10000
00145 C 00000 0 00171 10000
00145 C 00000 0 00171 10010
00146 C 00000 0 00171 10011
00147 C 00000 0 00171 10100
00150 C 00000 0 00171 10011
00151 C 00000 0 00171 10001

```

```

UNEQ BCI 9,16HC+0000,13M NETWORK SIZE=,14,6X,17M SENSORY INPUTS=,
OVSZ CALL 1,14) .FWRD.(UN06,SIZE) NETWORK TO BIG.

```

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ASSEMBLED TEXT:

```

00152 C 00000 0 00171 10010
00152 C 00000 0 00171 10011

```

CALL .FFIL.

BINARY CARD ID. NETGEN08

```

00153 C 00000 0 00171 10011
00154 C 00000 0 00171 10100
00155 C 00000 0 00171 10010
00155 C 00000 0 00171 10011
00156 C 00000 0 00171 10011
00157 C 00000 0 00171 10100
00160 C 00000 0 00171 10100
00161 C 00000 0 00171 10000
00162 C 00000 0 00171 10000
00163 C 00000 0 00171 10000
00164 C 00000 0 00171 10000
00165 C 00000 0 00171 10000
00166 C 00000 0 00171 10000
00170 C 00000 0 00171 10000
00171 C 00000 0 00171 10000
00172 C 00000 0 00171 10000
00173 C 00000 0 00171 10000
00174 C 00000 0 00171 10000
00175 C 00000 0 00171 10000

```

```

CALL EXIT
SIZE BCI 6,130M NETWORK SIZE EXCEEDS NETMAX. )
NTSIZE BSS 2
NETMAX DEC 17517
AXT 15,4
DIMEN LDQ IN1+15,4
MPY IN2+15,4
MPY IN3+15,4
STQ MA+16,4

```

LNK10059
LNK10060
LNK10061
LNK10062

BINARY CARD ID. NETGEN09
00176 2 00001 4 00172 10001 TIX DIMEN,4.1
04240 LEVTOT EQU LEVNO

LNK10063
LNK10064

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ASSEMBLED TEXT.

.....INITIALIZE RANDOM NO. GENERATOR
00177 0074 00 4 00471 10001 RDMIT TSX RDM,4
00200 0500 00 0 04225 10001 CLA CTR1
00201 0400 00 0 10241 10001 ADD ONE
00202 0601 00 0 04225 10001 STC CTR1
00203 0340 00 0 04226 10001 CAS RND
00204 0020 00 0 01003 10011 TRA *+3
00205 0020 00 0 01002 10011 TRA *+2
00206 0020 00 0 00177 10001 TRA RDMIT

LNK10066
LNK10067
LNK10068
LNK10069
LNK10070
LNK10071
LNK10072
LNK10073
LNK10074
LNK10075

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ASSEMBLED TEXT.

00207 0074 00 4 00326 10001 LVLOP TSX NEXLEV,4
00210 0074 00 4 01155 10001 MODLOP TSX NEXMOD,4
00211 0074 00 4 00553 10001 TSX CONLP,4
00212 0520 00 0 01746 10001 ZET PRST
00213 0020 00 0 00225 10001 TRA PRIMARY
00214 0520 00 0 01745 10001 ZET EXIN
00215 0620 00 0 00221 10001 TRA PRIMEX
00216 0500 00 0 10241 10001 CLA ONE
00217 0601 00 0 01745 10001 STO EXIN
00220 0020 00 0 00210 10001 TRA MODLOP

START A NEW LEVEL
START A NEW MODE
MAKE CONNECTIONS FOR 1 MODE
TEST MODES AND

LNK10077
LNK10078
LNK10079
LNK10080
LNK10081
LNK10082
LNK10083
LNK10084
LNK10085
LNK10086

BINARY CARD ID. NETGEN10

00221 0600 00 0 01745 10001 PRIMEX STZ EXIN
00222 0500 00 0 10241 10001 CLA ONE
00223 0601 00 0 01746 10001 STO PRST
00224 0020 00 0 00210 10001 TRA MODLOP
00225 0520 00 0 01745 10001 PRIMARY ZET EXIN
00226 0020 00 0 00232 10001 TRA CMPEND
00227 0500 00 0 10241 10001 CLA ONE
00230 0601 00 0 01745 10001 STO EXIN
00231 0020 00 0 00210 10001 TRA MODLOP
00232 0600 00 0 01745 10001 CMPEND STZ EXIN
00233 0600 00 0 01746 10001 STZ PRST
00234 0500 00 0 01705 10001 CLA M
00235 0402 00 0 01711 10001 SUB M
00236 4100 00 0 00210 10001 TNZ MODLOP
00237 0500 00 0 04240 10001 CLA LEVTOT
00240 0402 00 0 03067 10001 SUB LEVN
00241 4100 00 0 00207 10001 TNZ LVLOP
00242 000000000000 00010 CALL PUTREC(NUMCOM,COMMON,LEVELN)*2
00242 0074 00 4 07000 10011

LNK10087
LNK10088
LNK10089
LNK10090
LNK10091
LNK10092
LNK10093
LNK10094
LNK10095
LNK10096
LNK10097
LNK10098
LNK10099
LNK10100
LNK10101
LNK10102
LNK10103
LNK10104

BINARY CARD ID. NETGEN11

00243 1 00003 0 01005 10011
00244 0 10257 0 00002 10100
00245 0 00000 0 04277 10001
00246 0 00000 0 04265 10001
00247 0 00000 0 04300 10001
00250 0500 00 0 10262 10001 CLA *3
00251 0601 00 0 10255 10001 STO IPASS
00252 000000000000 00010 CALL GENXY(IPLEV,IN,LEVNO,N,MA,COMMON,IPASS,K,Y,I,INI,IN2,
00252 000000000000 00010 ETC IN3,LEVNO)
00252 000000000000 00010
00253 1 00016 0 01020 10011
00254 0 10257 0 00217 10100
00255 0 00000 0 03070 10001
00256 0 00000 0 01721 10001
00257 0 00000 0 03067 10001
00260 0 00000 0 01711 10001
00261 0 00000 0 04241 10001
00262 0 00000 0 04265 10001
00263 0 00000 0 10255 10001
00264 0 00000 0 01706 10001

LAST PASS OF GENXY

LNK10105
LNK10106
LNK10107
LNK10108

BINARY CARD ID. NETGEN12

ASSEMBLED TEXT.

00265 0 00000 0 01707 10001
00266 0 00000 0 01710 10001
00267 0 00000 0 01363 10001
00270 0 00000 0 01402 10001
00271 0 00000 0 01421 10001
00272 0 00000 0 04240 10001
00273 000000000000 00010 CALL .FWRD.(.INUB,.FMT) 999 SIGNALS END OF CONNECTION RECORDS
00273 0074 00 4 12000 10011
00274 1 00007 0 01004 10011
00275 0 10257 0 00271 10100
00276 0 00000 0 20000 10011
00277 0 00000 0 00317 10001
00300 000000000000 00010 CALL .FFIL.
00300 0074 00 4 10000 10011
00301 1 00000 0 01002 10011
00302 0 10257 0 00222 10100
00303 000000000000 00010 CALL .FRWT.(.UNOB.)
00303 0074 00 4 11000 10011
00304 1 00001 0 01003 10011

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LNK10110

LNK10111

BINARY CARD ID. NETGEN13
 00305 C 10257 0 00223 10100
 00306 0 00000 0 20000 10011
 00307 000000000000 00010
 00307 0074 00 4 05000 10011
 00310 1 00001 0 01003 10011
 00311 C 10257 0 00224 10100
 00312 0 00000 0 00321 10001
 00313 000000000000 00010
 00313 0074 00 4 10000 10011
 00314 1 00500 0 01002 10011
 00315 0 10257 0 00225 10100

CALL .FPRN.(FMI)

LNK10112

CALL .FFIL.

LNK10113

*

LNK10114

*

LNK10115

*

LNK10116

*

LNK10117

00316 740430601111 10000
 00320 117310006735 10000
 00321 74022390154 10000
 00322 54544525366 10000
 00323 465142602725 10000
 00324 452551216325 10000
 00325 243360346060 10000

FINISH RETURN NETGEN
 FMT BCI 2,(4H 999,0CX)
 FMI BCI 5,(22H1***NETWORK GENERATED.)

LNK10118

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ASSEMBLED TEXT.

* NEXLEV SET UP PARAMETERS FOR
 * NEXT LEVEL CONNECTIONS

LNK10120

LNK10121

BINARY CARD ID. NETGEN14
 00326 0634 00 4 00420 10001
 00327 0500 00 0 03067 10001
 00329 0400 00 0 10241 10001
 00331 0601 00 0 03067 10001
 00332 0774 00 1 00004 10000
 00333 0500 00 1 01711 10001
 00334 0601 00 1 01721 10001
 00335 2 00001 1 41002 10011
 00336 0500 00 0 01715 10001
 00337 0601 00 0 01721 10001
 00340 0535 00 1 03067 10001
 00341 1 00001 1 01001 10011
 00342 0500 00 1 01363 10001
 00343 0601 00 0 01706 10001
 00344 0500 00 1 01402 10001
 00345 0601 00 0 01707 10001
 00346 0500 00 1 01421 10001
 00347 0601 00 0 01710 10001
 00350 0131 00 0 00000 10000

NEXLEV SXA XNXLV,4
 CLA LEVN
 ADD ONE
 STO LEVN
 AXT 4,1
 CLA M+4,1
 STO IM+4,1
 TIX *-2,1,1
 CLA IP
 STO IN
 LAC LEVN,1
 TXI *-1,1,1
 CLA IN1,1
 STO X
 CLA IN2,1
 STO Y
 CLA IN3,1
 STO Z
 XCA

ADJUST LEVEL INFO

UNSTACK LEVEL INFO

CALCULATE NO. OF COMPS

LNK10122

LNK10123

LNK10124

LNK10125

LNK10126

LNK10127

LNK10128

LNK10129

LNK10130

LNK10131

LNK10132

LNK10133

LNK10134

LNK10135

LNK10136

LNK10137

LNK10138

LNK10139

LNK10140

BINARY CARD ID. NETGEN15
 00351 0200 00 0 01707 10001
 00352 0200 00 0 01706 10001
 00353 0131 00 0 00000 10000
 00354 0601 00 0 01705 10001
 00355 0601 00 0 01711 10001
 00356 0500 00 1 01440 10001
 00357 0601 00 0 03047 10001
 00360 0500 00 1 01457 10001
 00361 0601 00 0 03050 10001
 00362 0500 00 1 01476 10001
 00363 0601 00 0 03051 10001
 00364 0500 00 1 01515 10001
 00365 0601 00 0 03052 10001
 00366 0500 00 1 01534 10001
 00367 0601 00 0 03053 10001
 00370 0500 00 1 01553 10001
 00371 0601 00 0 03054 10001
 00372 0500 00 1 01572 10001
 00373 0601 00 0 03055 10001

MPY Y
 MPY X
 XCA M
 STO M
 CLA IN4,1
 STO SX
 CLA IN5,1
 STO SI
 CLA IN6,1
 STO PX
 CLA IN7,1
 STO PI
 CLA IN8,1
 STO GSX
 CLA IN9,1
 STO GSI
 CLA IN10,1
 STO GPX

LNK10141

LNK10142

LNK10143

LNK10144

LNK10145

LNK10146

LNK10147

LNK10148

LNK10149

LNK10150

LNK10151

LNK10152

LNK10153

LNK10154

LNK10155

LNK10156

LNK10157

LNK10158

LNK10159

BINARY CARD ID. NETGEN16
 00374 0500 00 1 01611 10001
 00375 0601 00 0 03056 10001
 00376 0500 00 1 01630 10001
 00377 0601 00 0 03057 10001
 00400 0500 00 1 01647 10001
 00401 0601 00 0 03060 10001
 00402 0500 00 1 01666 10001
 00403 0601 00 0 03061 10001

CLA IN11,1
 STO GPI
 CLA IN12,1
 STO SCTYP
 CLA IN13,1
 STO PCTYP
 CLA IN14,1
 STO SLFCGN

LNK10160

LNK10161

LNK10162

LNK10163

LNK10164

LNK10165

LNK10166

LNK10167

LNK10168

ASSEMBLED TEXT.

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00404 0774 00 1 00005 10000
 00405 0500 00 1 01712 10001
 00406 0601 00 1 01732 10001
 00407 2 00001 1 41002 10011
 00410 0774 00 1 00003 10000
 00411 0500 00 1 01711 10001
 00412 0074 00 4 00717 10001
 00413 0601 00 1 01755 10001
 00414 0500 00 1 01721 10001
 00415 0074 00 4 00717 10001
 00416 0601 00 1 01760 10001

FLEV CLA X+1,1
 TSX FLTNT,4
 STO FX+3,1
 CLA IX+3,1
 TSX FLTNT,4
 STO FLX+3,1

INITIATE SAVE LOCATIONS

FLAOT DIMENSIONALITY

LNK10169

LNK10170

LNK10171

LNK10172

LNK10173

LNK10174

LNK10175

LNK10176

LNK10177

LNK10178

LNK10179

BINARY CARD ID. NETGEN17
 00417 2 00001 1 00411 10001
 00420 0774 00 4 00000 10011
 1 00001 7 00001 11010
 00421 0020 00 4 00001 10000

TIX FLEV,1,1
 XNXLV AXT *-*,4
 TRA 1,4

LNK10180

LNK10181

LNK10182

LNK10183

LNK10184

00422	C100 00 4 00007	10000	SQRT	SQRT	7.4	FLOATING POINT	LNK10186
00423	4120 00 4 00001	10000		TZT	7.4	THIS FLOATING TAKES	LNK10187
00424	4120 00 0 00463	10001		TPI	1.4	THE FLOATING PT.	LNK10188
00425	0601 00 0 00467	10001		ANA	SQRT+13	NUMBER IN THE ACCUMULATOR.	LNK10189
00426	4320 00 0 00464	10001		STO	SC	FINDS THE SQUARE ROOT	LNK10190
00427	0771 00 0 00001	10000		AND	SQRT+74	AND LEAVES IT IN THE	LNK10191
00428	0771 00 0 00001	10000		ARS	1	ACCUMULATOR	LNK10192
00429	0400 00 0 00467	10001		ACD	SC		LNK10193
00430	0771 00 0 00001	10000		ARS	1		LNK10194
00431	0601 00 0 00470	10001		STD	SQ+1		LNK10195
00432	0767 00 0 00012	10000		ALS	1C		LNK10196
00433	4760 00 0 00001	10000		PRT			LNK10197
00434	0760 00 0 00000	10000		COM			LNK10198
00435	0771 00 0 00013	10000		ARS	13		LNK10199
00436	4320 00 0 00465	10001		ANA	SQRT+75		LNK10200
00437	0400 00 0 00470	10001		ADD	SQ+1		LNK10201

BINARY CARD ID. NETGEN18

00441	0400 00 0 00466	10001	ADD	SQRT+36		LNK10202
00442	0601 00 0 00470	10001	STO	SC+1		LNK10203
00443	0500 00 0 00467	10001	CLA	SC		LNK10204
00444	0241 00 0 00470	10001	FDP	SC+1		LNK10205
00445	0500 00 0 00470	10001	CLA	SC+1		LNK10206
00446	4600 00 0 00470	10001	STQ	SQ+1		LNK10207
00447	0400 00 0 00001	10000	ADD	SC+1		LNK10208
00448	0765 00 0 00001	10000	LRS	1		LNK10209
00449	0760 00 0 00010	10000	RND			LNK10210
00450	0601 00 0 00470	10001	STO	SC+1		LNK10211
00451	0500 00 0 00467	10001	CLA	SC		LNK10212
00452	0241 00 0 00470	10001	FDP	SC+1		LNK10213
00453	0500 00 0 00470	10001	CLA	SC+1		LNK10214
00454	4600 00 0 00470	10001	STQ	SC+1		LNK10215
00455	0400 00 0 00470	10001	ADD	SC+1		LNK10216
00456	0765 00 0 00001	10000	LRS	1		LNK10217
00457	0760 00 0 00010	10000	RND			LNK10218
00458	0760 00 0 00010	10000	MOV	7.4		LNK10219
00459	0140 00 4 00002	10000	UCT	777777777777		LNK10220

BINARY CARD ID. NET19

00464	001000000000	10000	UCT	001000000000		LNK10221
00465	000017777777	10000	UCT	000017777777		LNK10222
00466	100360000001	10000	UCT	100360000001		LNK10223
00467	200000000007	00001	SQ HSS	2		LNK10224

ASSEMBLED TEXT.

00471	0634 00 4 00502	10001	RDM	SXA	XRDW,4	RANDOM NO. GENERATOR	LNK10227
00472	0500 00 0 00504	10001		CLA	RDM1		LNK10228
00473	0767 00 0 00007	10000		ALS	7		LNK10229
00474	0400 00 0 00504	10001		RDD	RDM1		LNK10230
00475	0400 00 0 00505	10001		ADD	PCM2		LNK10231
00476	0601 00 0 00504	10001		STO	RDM1		LNK10232
00477	0500 00 0 00504	10001		CLA	RDM1		LNK10233
00478	0771 00 0 00010	10000		ARS	8		LNK10234
00479	0400 00 0 00504	10001		ADD	RDM3		LNK10235
00480	0774 00 4 00000	10011	XRDW	ACT	4-0,4		LNK10236
00481	1 00001 7 00001	11010					LNK10237
00482	0020 00 4 00001	10000		TRA	1.4		LNK10238
00483	200000000000	10000	RDM1	UCT	200000000000		LNK10239
00484	111715164025	10000	RDP2	UCI	311715164025		LNK10240
00485	200000000000	10000	RDM3	UCT	200000000000		LNK10241

BINARY CARD ID. NETGEN20

00487	000000000000	00010	ERRCH	CALL	.FPRN.(DISERR)		LNK10242
00488	0074 00 4 05000	10011					
00489	1 00000 0 01003	10011					
00490	0 10257 0 00440	10100					
00491	0 00000 0 00517	10001					
00492	000000000000	00010		CALL	.FFIL.		LNK10243
00493	0074 00 4 10000	10011					
00494	1 00000 0 01002	10011					
00495	0 10257 0 00441	10100					
00496	0000 00 0 01000	10011		HTR	9		LNK10244
00497	746000101001	10000	DISERR	RCI	9,(4)HIDISTANCE FUNCTION NOT IN CORE. CANNOT CONTINUE.		LNK10245
00498	243162632145	10000					
00499	232560266445	10000					
00500	236331464560	10000					
00501	454663603145	10000					
00502	602346512533	10000					
00503	602321454546	10000					
00504	636023664563	10000					
00505	314564253334	10000					

BINARY CARD ID. NETGEN21

00510	0000 00 0 01000	10011	AFTER	HTR	9	ERROR HALT	LNK10246
00511	000000000000	00010	PRPD	CALL	.FPRN.(PRPCB)		LNK10247
00512	0074 00 4 05000	10011					
00513	1 00001 0 01003	10011					
00514	0 10257 0 00445	10100					
00515	0 00000 0 00541	10001					
00516	000000000000	00010		CALL	.FFIL.		LNK10248
00517	0074 00 4 10000	10011					
00518	1 00000 0 01002	10011					
00519	0 10257 0 00445	10100					
00520	0000 00 0 01000	10011		HTR	9		LNK10249
00521	746000101001	10000	PRPD	RCI	9,(5)HIDIPROBABILITY FUNCTION NOT IN CORE. CANNOT CONTINUE.		LNK10250
00522	475146222122	10000					
00523	314311637060	10000					
00524	266445236131	10000					
00525	464560454563	10000					

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ASSEMBLED TEXT.

00546	603145602346	10000				
00547	512533602321	10000				
00550	454546636023	10000				
BINARY CARD ID. NETGEN22						
00551	464563314564	10000				
00552	336161616034	10000				
00553	0634 00 4 00704	10001	BCI	1,.,/// 1		LNK10251
			CONLP-	COMPUTATIONS, DECISIONS, AND		LNK10252
			CONLP SXA	CONNECTIONS MADE FOR ONE MODE		LNK10253
			QMOD HERE INCREASES THE INITIAL COMPONENT AND ITS			LNK10254
			NUMBER TRIPLE BY ONE			LNK10255
00554			QMOD	IN, IM, IA, IS, IC, IX, IY, IZ		LNK10256
						LNK10257
BINARY CARD ID. NETGEN23						
00614	4520 00 0 03046	0001	NZT	CNO	ANY CONNECTIONS THIS MCD	LNK10258
00615	0020 00 0 00704	10001	TRA	XCONLP	NO-GO TO NEXT MODE	LNK10259
00616	0535 00 1 01721	10001	LAC	IN, 1	TEST IF THIS CONNECTION	LNK10260
BINARY CARD ID. NETGEN24						
00617	0520 00 1 01775	10001	ZET	TABLE, 1	IS ALLOWABLE	LNK10261
00620	0020 00 0 00626	10001	TRA	NOGO	NO-FORGET IT	LNK10262
00621	0074 00 4 00734	10001	TSX	DSTNCE, 4	YES-COMPUTE DISTANCE	LNK10263
00622	0074 00 4 00747	10001	TSX	PRBLTY, 4	COMPUTE PROBABILITY	LNK10264
00623	0074 00 4 01074	10001	TSX	DECIDE, 4	MAKE DECISION TO CONNECT	LNK10265
00624	4520 00 0 03066	10001	NZT	DCSN	TEST DECISION	LNK10266
00625	0020 00 0 00635	10001	TRA	OKCON	YES-CONNECT	LNK10267
00626	0500 00 0 03071	10001	NOGO CLA	LPCTR	NO-DONT CONNECT	LNK10268
00627	0400 00 0 10241	10001	ADD	ONE	ADD ONE TO FAILURES	LNK10269
00630	0601 00 0 03071	10001	STO	LPCTR		LNK10270
00631	0340 00 0 10256	10001	CAS	MAXLP	IF 100,000 SUCCESSIVE FAILURES,	LNK10271
00632	0020 00 0 00675	10001	TRA	GETOUT	GIVE IT UP	LNK10272
00633	0020 00 0 00675	10001	TRA	GETOUT		LNK10273
00634	0020 00 0 00554	10001	TRA	CONLP+1	IF NOT, TRY AGAIN	LNK10274
			OKCON CALL	CONECTIA, B, CPLS, CMIS, CPLI, CMINI, SXPLSI, PXPLPI, NUMCON,		LNK10275
			ETC	COMNUM, LEVELN, CCTR, PRST, PRLEV, LEVN, N, IPASS, PA, LEVND,		LNK10276
			ETC	NEWCON, EXIN, IN)		LNK10277
00635	000000000000	00010				
00635	0074 00 4 13000	10011				
00636	1 00026 0 01030	10011				
00637	0 10257 0 00542	10100				
00640	0 00000 0 01712	10001				
BINARY CARD ID. NETGEN25						
00641	0 00000 0 01713	10001				
00642	0 00000 0 04261	10001				
00643	0 00000 0 04262	10001				
00644	0 00000 0 04263	10001				
00645	0 00000 0 04264	10001				
00646	0 00000 0 04312	10001				
00647	0 00000 0 04313	10001				
00650	0 00000 0 04277	10001				
00651	0 00090 0 04265	10001				
00652	0 00000 0 04300	10001				
00653	0 00000 0 03045	10001				
00654	0 00000 0 01746	10001				
00655	0 00000 0 03070	10001				

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00656	0 00000 0 03067	10001				
00657	0 00000 0 01711	10001				
00660	0 00000 0 10255	10001				
00661	0 00000 0 04241	10001				
00662	0 00000 0 04240	10001				
00663	0 00000 0 10234	10001				
BINARY CARD ID. NETGEN26						
00664	0 00000 0 01745	10001				
00665	0 00000 0 01721	10001				
00666	0074 00 4 01117	10001	TSX	ENTBLE, 4	ALTER CONNECTION TABLE	LNK10278
00667	0600 00 0 03071	10001	STZ	LPCTR	ZERO FAILURE COUNTER	LNK10279
00670	0500 00 0 03045	10001	CLA	CCTR	TEST FOR ANY MORE CONNECTIONS	LNK10280
00671	0340 00 0 03046	10001	CAS	CNO	THIS MODE	LNK10281
00672	0020 00 0 00704	10001	TRA	XCONLP	NO-EXIT	LNK10282
00673	0020 00 0 00704	10001	TRA	XCONLP		LNK10283
00674	0020 00 0 00554	10001	TRA	CONLP+1	YES-TRY FOR NEXT CONNECTION	LNK10284
00675	000000000000	00010	GETOUT CALL	.FPRN.(NODICE)		LNK10285
00675	0074 00 4 05000	10011				
00676	1 00001 0 01003	10011				
00677	0 10257 0 00554	10100				
00700	0 00000 0 00706	10001				
00701	000000000000	00010				
00701	0074 00 4 10000	10011	CALL	.FFIL.		LNK10286
00702	1 00000 0 01002	10011				
00703	0 10257 0 00555	10100				
00704	0774 00 4 00000	10011	XCONLP AXT	0-0, 4		LNK10287
BINARY CARD ID. NETGEN27						
00705	1 00001 7 00001	11010				
00706	0020 00 4 00001	10000	TRA	1, 4		LNK10288
00707	746004073001	10000	NODICE BCI	9, (47H1100, 000 ATTEMPTS FAIL TO PRODUCE A CONNECTION.)		LNK10289
00707	010000730000	10000				
00710	006021636325	10000				
00711	444763626026	10000				
00712	213143606346	10000				
00713	604751462464	10000				
00714	232560216023	10000				
00715	464545252363	10000				
00716	314645333460	10000				

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					•	FLTNT	FIXED POINT INTEGER TO		LNK10291
					•	FLTNT	NORMALIZED FLOATING PT.		LNK10292
00717	0634	00	2	00731	10001	FLTNT SXA	FLAT+3,2		LNK10293
00720	0560	00	0	10241	10001	LDO	ONE		LNK10294
00721	0774	00	2	00000	10000	AXT	0,2		LNK10295
00722	0100	00	0	00731	10001	TZE	FLAT+3		LNK10296
00723	4765	00	0	00001	10000	LGR	1		LNK10297
00724	1	00001	2	01001	10011	TKI	+1,2,1		LNK10298
00725	4100	00	0	41002	10011	TNZ	+2		LNK10299
00726	0754	00	2	00000	10000	FLOAT PXA	0,2		LNK10300
BINARY CARD ID. MEIGEN28									
00727	0400	00	0	00731	10001	ADD	CHTSTC		LNK10301
00730	4763	00	0	00033	10000	LGL	27		LNK10302
00731	0774	00	2	00000	10011	AXT	+0,2		LNK10303
	1	00001	7	00001	11010				
00732	0020	00	4	00001	10000	TRA	1,4		LNK10304
00733	00000000200			10000	CHTSTC DEC	128			LNK10305
					•				LNK10306

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00734	0634	00	4	00745	10001	DSTNCE SXA	ENDIS,4		LNK10308
00735	0500	00	0	03065	10001	CLA	DCH		LNK10309
00736	0340	00	0	10240	10001	CAS	ZERO		LNK10310
00737	0020	00	0	01003	10011	TRA	+3		LNK10311
00740	0020	00	0	00507	10001	TRA	ERDCH		LNK10312
00741	0020	00	0	00507	10001	TRA	ERDCH		LNK10313
00742	0402	00	0	10241	10001	SUB	ONE		LNK10314
00743	0100	00	0	00771	10001	TZE	DIS1		LNK10315
					•	PLACE TRANSFER TO OTHER DISTANCE FUNCTIONS HERE AS FOLLOWS			LNK10316
					•	SUB	ONE		LNK10317
					•	TZE	DIS2		LNK10318
					•	THEN CALL DISTANCE FUNCTION DESIRED BY NUMBER ON INPUT CARD			LNK10319
00744	0020	00	0	00507	10001	TRA	ERDCH		LNK10320
00745	0774	00	4	00000	10011	ENDIS AXT	+0,4	EXIT	LNK10321
	1	00001	7	00001	11010				
00746	0020	00	4	00001	10000	TRA	1,4		LNK10322
					•				LNK10323
					•	LINKAGE ROUTINE FOR PROBABILITY FUNCTIONS			LNK10324
00747	0634	00	4	00767	10001	PRBLTY SXA	XPRBLY,4		LNK10325
BINARY CARD ID. MEIGEN29									
00750	0500	00	0	03064	10001	CLA	PCH		LNK10326
00751	0340	00	0	10240	10001	CAS	ZERO		LNK10327
00752	0020	00	0	01003	10011	TRA	+3		LNK10328
00753	0020	00	0	00531	10001	TRA	PERR		LNK10329
00754	0020	00	0	00531	10001	TRA	PERR		LNK10330
00755	0402	00	0	10241	10001	SUB	ONE		LNK10331
00756	0100	00	0	01021	10001	TZE	PROB1		LNK10332
00757	0402	00	0	10241	10001	SUB	ONE		LNK10333
00760	0100	00	0	01021	10001	TZE	PROB2		LNK10334
00761	0402	00	0	10241	10001	SUB	ONE		LNK10335
00762	0100	00	0	01021	10001	TZE	PROB3		LNK10336
00763	0402	00	0	10241	10001	SUB	ONE		LNK10337
00764	0100	00	0	01021	10001	TZE	PROB4		LNK10338
00765	0402	00	0	10241	10001	SUB	ONE		LNK10339
00766	0100	00	0	01067	10001	TZE	PROB5		LNK10340
					•	PLACE TRANSFER TO OTHER PROB. FUNCTIONS HERE AS FOLLOWS			LNK10341
					•	SUB	ONE		LNK10342
					•	TZE	PROB6		LNK10343
					•	THEN CALL PROB. FUNCTION DESIRED BY NUMBER ON INPUT CARD			LNK10344
00767	0774	00	4	00000	10011	XPRBLY AXT	+0,4		LNK10345
	1	00001	7	00001	11010				
00770	0020	00	4	00001	10000	TRA	1,4	EXIT	LNK10346
					•				LNK10347

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					•	DISF	COMPUTE DISTANCE		LNK10349
					•	DIS1 AXT	3,2		LNK10350
00771	0774	00	2	00003	10000	DISF ECU	DIS1		LNK10351
				00771					LNK10352
BINARY CARD ID. MEIGEN30									
00772	4520	00	0	01746	10001	MZT	PRST	TEST MODE	LNK10353
00773	0020	00	0	01002	10001	TRA	DISTAT	STATE	LNK10354
00774	0500	00	2	01725	10001	CLA	IA+3,2	PRIMARY	LNK10355
00775	0074	00	4	00717	10001	TSX	FLTNT,4	FLAT THE INTEGER COMPONENT PART	LNK10356
00776	0500	00	2	01755	10001	CLA	FX+3,2	GET FLOATING DIMENSIONALITY	LNK10357
00777	0241	00	2	01760	10001	FOP	FLX+3,2	DIVIDE	LNK10358
01000	0260	00	0	01763	10001	FMP	TFMP	MULTIPLY BY COMPONENT PART	LNK10359
01001	0020	00	0	01003	10011	TRA	+3		LNK10360
01002	0500	00	2	01725	10001	DISTAT	IA+3,2	STATE	LNK10361
01003	0074	00	4	00717	10001	TSX	FLTNT,4		LNK10362
01004	0302	00	2	01763	10001	FSB	FA+3,2	SUBTRACT TERMINAL COMPONENT PART	LNK10363
01005	0601	00	0	01763	10001	STO	TEMP		LNK10364
01006	0131	00	0	00000	10000	HCA			LNK10365
01007	0260	00	0	01763	10001	FMP	TEMP	SQUARE IT	LNK10366
01010	0601	00	2	01775	10001	STO	TEMP+10,2		LNK10367
01011	2	00001	2	00773	10001	TSX	DISF+2,2,1		LNK10368
01012	0500	00	0	01772	10001	CLA	TEMP+7	ADD THREE PARTS	LNK10369
01013	0300	00	0	01773	10001	FAD	TEMP+8		LNK10370
01014	0300	00	0	01774	10001	FAD	TEMP+9		LNK10371
BINARY CARD ID. MEIGEN31									
01015	0074	00	4	00422	10001	TSX	ORT,4	TAKE SQUARE ROOT	LNK10372
01016	0000	00	0	01000	10011	HTR	•	SHOULD NEVER HAPPEN	LNK10373
01017	0601	00	0	04237	10001	STO	0	STORE DISTANCE	LNK10374
01020	0020	00	0	00745	10001	TRA	ENDIS		LNK10375

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					PROB	COMPUTE PROBABILITY		
01021	0500	00	0	04237	10001	PROB1 CLA	PRGB1 THRU PRGB4 ALL	LNK10377
				01021		PROB2 EQU	COMPUTED IN SAME SUBROUTINE	LNK10378
				01021		PROB3 EQU		LNK10379
				01021		PROB4 EQU		LNK10380
01022	0340	00	0	01073	10001	PROB5 CAS		LNK10381
01023	0620	00	0	01005	10011	PROB6 FONE		LNK10382
01024	0761	00	0	00000	10000	TRA	DISTANCE GREATER THAN 1	LNK10383
01025	0500	00	0	01073	10001	NOP	=1	LNK10384
01026	0601	00	0	03112	10001	CLA	LESS THAN 1	LNK10385
01027	0020	00	0	01042	10001	STO	PROBABILITY = 1	LNK10386
01030	0601	00	0	01763	10001	TRA		LNK10387
01031	0500	00	0	03064	10001	STO	GREATER THAN ONE	LNK10388
01032	0402	00	0	10241	10001	CLA	TEST PCM	LNK10389
01033	0100	00	0	01004	10011	SUB		LNK10390
01034	0560	00	0	01763	10001	TZE	PCM=1	LNK10391
01035	0260	00	0	01763	10001	LDO	PCM GREATER THAN ONE	LNK10392
01036	0601	00	0	01763	10001	TEMP	SQUARE DISTANCE	LNK10393
01037	0500	00	0	01073	10001	STO		LNK10394
						CLA		LNK10395
						FONE		LNK10396
BINARY CARD ID. NETGEN32								
01040	0241	00	0	01763	10001	FDP	1/D**2	LNK10397
01041	4600	00	0	03112	10001	STO	TEST	LNK10398
01042	4520	00	0	01745	10001	PEXIN NZT	EXCIT-INHIB	LNK10399
01043	0020	00	0	01054	10001	TRA	EXCITATORY	LNK10400
01044	0500	00	0	03064	10001	CLA	INHIBITORY	LNK10401
01045	0402	00	0	10243	10001	SUB	TEST FOR PROB 2,3 OR 4	LNK10402
01046	0100	00	0	01055	10001	TZE	PROB 3	LNK10403
01047	0120	00	0	00767	10001	TPL	PROB 4	LNK10404
01050	0500	00	0	01073	10001	CLA	PROB 2	LNK10405
01051	0302	00	0	03112	10001	FSB	P=1-PK	LNK10406
01052	0302	00	0	03112	10001	FSB		LNK10407
01053	0601	00	0	03112	10001	STO		LNK10408
01054	0020	00	0	00767	10001	XPROB TRA		LNK10409
01055	0500	00	0	01072	10001	DOP3 CLA	APRAM=.5	LNK10410
01056	0300	00	0	03112	10001	FAD		LNK10411
01057	0601	00	0	01763	10001	STO		LNK10412
01060	0500	00	0	01073	10001	CLA		LNK10413
01061	0302	00	0	03112	10001	FSB		LNK10414
01062	0131	00	0	00000	10000	XCA		LNK10415
BINARY CARD ID. NETGEN33								
01063	0260	00	0	01072	10001	FMP		LNK10416
01064	0240	00	0	01763	10001	FDM		LNK10417
01065	4600	00	0	03112	10001	STO	P=.5(1-PK)/(1.5+PK)	LNK10418
01066	0020	00	0	00767	10001	TRA		LNK10419
01067	0500	00	0	01072	10001	PROB5 CLA	PROB5	LNK10420
01070	0601	00	0	03112	10001	STO	P=.5	LNK10421
01071	0020	00	0	00767	10001	TRA		LNK10422
01072	200400000000			10900		APRAM DEC	.5	LNK10423
01073	201400000000			10000		FONE OCT	201400000000	LNK10424
						DECIDE	TO CONNECT	LNK10425
							OR NOT TO CONNECT	LNK10426
01074	0634	00	4	01115	10001	DECIDE SXA	XDECID,4	LNK10427

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01075	0074	00	4	00471	10001	TSX	RDM,4	GET A RANDOM NUMBER	LNK10428
01076	0601	00	0	01763	10001	STO	TEMP		LNK10429
01077	0754	00	0	00000	10000	PXA	0,0		LNK10430
01100	0300	00	0	01763	10001	FAD	TEMP		LNK10431
01101	0340	00	0	03112	10001	CAS	P	COMPARE TO PROBABILITY	LNK10432
01102	0020	00	0	01003	10011	TRA	**3		LNK10433
01103	0020	00	0	01002	10011	TRA	**2	EQUAL	LNK10434
01104	0020	00	0	01111	10001	TRA	YES	HIGHER	LNK10435
01105	0500	00	0	01073	10001	CLA	FONE	DOUBLE CHECK FOR P=1	LNK10436
BINARY CARD ID. NETGEN34									
01106	0340	00	0	03112	10001	CAS	P		LNK10437
01107	0020	00	0	01113	10001	TRA	NO		LNK10438
01110	0020	00	0	01111	10001	TRA	YES		LNK10439
01111	0600	00	0	03066	10001	YES STZ	DCSN	DECISION IS YES	LNK10440
01112	0020	00	0	01115	10001	TRA	XDECID		LNK10441
01113	0500	00	0	10241	10001	NO CLA	ONE	DECISION IS NO	LNK10442
01114	0601	00	0	03066	10001	STO	DCSN		LNK10443
01115	0774	00	4	00000	10011	XDECID AXT	**0,4		LNK10444
	1	00001	7	00001	11010				
01116	0020	00	4	00001	10000	TRA	1,4		LNK10445

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•									
•									
•									
01117	4520	00	0	01746	10001	CONECT	MAKE CONNECTIONS		LNK10447
01120	0020	00	0	01004	10011	ENTBLE NZT	PRST	TEST PRIMARY - STATE	LNK10448
01121	0500	00	0	03060	10001	TRA	**4	STATE	LNK10449
01122	0601	00	0	03113	10001	CLA	PCTYP	PRIMARY - GET CONNECTION TYPE	LNK10450
01123	0020	00	0	01006	10011	STO	TTEST		LNK10451
01124	0500	00	0	03057	10001	TRA	**3		LNK10452
01125	0601	00	0	03113	10001	CLA	SCTYP	STATE - GET CONNECTION TYPE	LNK10453
01126	0500	00	0	01711	10001	STO	TTEST		LNK10454
01127	0402	00	0	01721	10001	CLA	N		LNK10455
						SUB	IN		LNK10456

BINARY CARD ID. NETGEN35

01130	0100	00	0	01145	10001	TZE	SELF	MAKE SELF-TEST	LNK10459
01131	4520	00	0	03113	10001	NZT	ITEST	IF ZERO, DO NOT ENTER	LNK10460
01132	0020	00	0	01144	10001	TRA	XNTBL	IN TABLE	LNK10461
01133	0535	00	1	01721	10001	STOPIT	LAC		LNK10462
01134	0500	07	0	03113	10001	CLA	TEST		LNK10463
01135	0402	00	0	10243	10001	SUB	THREE		LNK10464
01136	4100	00	0	01004	10011	TNZ	ONE	TYPE 1 OR 2	LNK10465
01137	0500	00	0	10241	10001	CLA	ONE	TYPE 3	LNK10466
01140	0601	00	1	03156	10001	STO	TABLE,1	ENTER IN PRIMARY STEP TABLE	LNK10467
01141	0020	00	0	01144	10001	TRA	XNTBL		LNK10468
01142	0500	00	0	10241	10001	CLA	ONE	TYPE 1 OR 2	LNK10469
01143	0601	00	1	01775	10001	STO	TABLE,1	ENTER INTO STOP TABLE	LNK10470
01144	0020	00	4	00001	10000	XNTBL	TRA		LNK10471
01145	0500	00	0	03062	10001	SELF	CLA		LNK10472
01146	0402	00	0	10241	10001	SUB	ONE	ONE MORE SELF-CONNECTION	LNK10473
01147	0601	00	0	03062	10001	STO	SLFTST		LNK10474
01150	4100	00	0	01144	10001	TNZ	XNTBL	MORE ALLOWED	LNK10475
01151	0535	00	1	01721	10001	LAC	IN,1	NO MORE ALLOWED	LNK10476
01152	0500	00	0	10241	10001	CLA	ONE	ENTER IN TABLE	LNK10477

BINARY CARD ID. NETGEN36

01153	0601	00	1	01775	10001	STO	TABLE,1		LNK10478
01154	0020	00	4	00001	10000	TRA	1,4		LNK10479

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01155	0634	00	4	01263	10001	NEXMOD	SKA	SET SWITCHES FOR NEXT	LNK10482
01156	0520	00	0	01746	10001	NEXMOD	SKA	MODE AND/OR COMPONENT	LNK10483
01157	0020	00	0	01214	10001	TRA	PRST	TEST PRIM - STATE	LNK10484
01160	4520	00	0	01745	10001	EXIN	NXPRIM	PRIMARY	LNK10485
01161	0020	00	0	01176	10001	TRA	NSTX	STATE-TEST EXCIT-INMIB	LNK10486
01162	0500	00	0	03050	10001	CLA	SI	STATE EXCITE	LNK10487
01163	0601	00	0	03046	10001	STO	CNO	STATE-INMIB	LNK10488
01164	0500	00	0	03057	10001	CLA	SCTYP	STORE NO. OF COMPONENTS	LNK10489
01165	0402	00	0	10242	10001	SUB	TWO		LNK10490
01166	0100	00	0	01245	10001	TZE	NCLTB	TRANSFER IF SCTYP=2	LNK10491
01167	0402	00	0	10241	10001	SUB	ONE		LNK10492
01170	4100	00	0	01262	10001	TNZ	EXNEX	TRANSFER IF SCTYP=0 OR 1	LNK10493
01171	0774	01	1	01047	10000	AXT	551,1	SCTYP=3	LNK10494
01172	0500	00	1	04225	10001	CLA	TABLE+551,1	LOAD INHIBITION	LNK10495
01173	0601	00	1	03044	10001	STO	TABLE+551,1	INTO TEST TABLE	LNK10496
01174	2	00001	1	41002	10011	TIX	0-2,1,1		LNK10497
01175	0020	00	0	01262	10001	TRA	EXNEX		LNK10498

BINARY CARD ID. NETGEN37

01176	0500	00	0	03047	10001	NSTX	CLA	STATE-EXCITATORY	LNK10502
01177	0601	00	0	03046	10001	STO	CNO	STORE NO. OF COMPONENTS	LNK10503
01200	0500	00	0	03067	10001	CLA	LEVH	LEVELS OF INITIAL + TERMINAL	LNK10504
01201	0601	00	0	03070	10001	STO	PRLEV	COMPS. ARE THE SAME	LNK10505
01202	0074	00	4	01265	10001	TSX	NEXCOM,4	NEW COMPONENT ROUTINE	LNK10506
01203	0774	00	1	00010	10000	AXT	R,1		LNK10507
01204	0500	00	1	01725	10001	CLA	IM+8,1		LNK10508
01205	0601	00	1	01745	10001	STO	SLM+8,1	SAVE PRIM COMP INFO	LNK10509
01206	0500	00	1	01735	10001	CLA	SP+8,1		LNK10510
01207	0601	00	1	01725	10001	STO	IM+8,1	GET STATE COMP INFO	LNK10511
01210	2	00001	1	41004	10011	TIX	0-4,1,1		LNK10512
01211	0500	00	0	03061	10001	CLA	SLFCOM		LNK10513
01212	0601	00	0	03062	10001	STO	SLFTST	INITIALIZE SELF CONNECTION TESTER	LNK10514
01213	0020	00	0	01245	10001	TRA	NCLTB		LNK10515
01214	4520	00	0	01745	10001	NXPRIM	NZT	PRIMARY - TEST FOR EXCIT-INMIB	LNK10516
01215	0020	00	0	01237	10001	TRA	NPX	EXCITATORY	LNK10517
01216	0500	00	0	03052	10001	CLA	PI	PRIM - INMIB	LNK10518
01217	0601	00	0	03046	10001	STO	CNO	STORE NO. OF COMPONENTS	LNK10519
01220	0500	00	0	03060	10001	CLA	PCTYP		LNK10520

BINARY CARD ID. NETGEN38

01221	0402	00	0	10242	10001	SUB	TWO		LNK10521
01222	0100	00	0	01245	10001	TZE	NCLTB	TRANSFER IF PCTYP=2	LNK10522
01223	0402	00	0	10241	10001	SUB	ONE		LNK10523
01224	4100	00	0	01262	10001	TNZ	EXNEX	TRANSFER IF PCTYP=0 OR 1	LNK10524
01225	0774	00	1	01047	10000	AXT	551,1	PCTYP=3	LNK10525
01226	0500	00	1	04225	10001	CLA	TABLE+551,1	LOAD INHIBITORY TABLE	LNK10526
01227	0601	00	1	03044	10001	STO	TABLE+551,1	INTO TEST TABLE	LNK10527
01230	2	00001	1	41002	10011	TIX	0-2,1,1		LNK10528
01231	0020	00	0	01267	10001	TRA	EXNEX		LNK10529
01232	0500	00	0	03051	10001	NPX	CL	PRIM-EXCITE	LNK10530
01233	0601	00	0	03046	10001	STO	CNO	STORE NO OF COMPONENTS	LNK10531
01234	0500	00	0	03070	10001	CLA	PRLEV		LNK10532

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01235	0402	00	0	10241	10001	SUB	ONE	PRLEV =	LNK10533
01236	0601	00	0	03070	10001	STO	PRLEV	LAST LEVEL NO.	LNK10534
01237	0774	00	1	00010	10000	AXT	R,1		LNK10535
01240	0500	00	1	01725	10001	CLA	IM+8,1	SAVE STATE COMP INFO	LNK10536
01241	0601	00	1	01735	10001	STO	SLM+8,1		LNK10537
01242	0500	00	1	01745	10001	CLA	IM+8,1	GET PRIM COMP INFO	LNK10538
01243	0601	00	1	01725	10001	STO	IM+8,1		LNK10539

BINARY CARD ID. NETGEN39

01264	0000 00 0 0000	10001	STZ	0-0,1	LNK10540
01265	0000 00 0 0000	10000	NECOP ART	551,1	LNK10541
01	0000 00 0 0000	10001	STZ	0-0,1,551,1	LNK10542
01267	0000 00 0 0000	10001	STZ	TABLE,551,1	LNK10543
01268	0000 00 0 0000	10001	STZ	0-2,1,1	LNK10544
01269	0000 00 0 0000	10001	STZ	POST	LNK10545
01270	0000 00 0 0000	10001	STZ	FRN-1	LNK10546
01271	0000 00 0 0000	10001	STZ	FRN	LNK10547
01272	0000 00 0 0000	10001	STZ	FRN-1	LNK10548
01273	0000 00 0 0000	10001	STZ	FRN-1	LNK10549
01274	0000 00 0 0000	10001	STZ	FRN-1	LNK10550
01275	0000 00 0 0000	10001	STZ	FRN-1	LNK10551
01276	0000 00 0 0000	10001	STZ	FRN-1	LNK10552
01277	0000 00 0 0000	10001	STZ	FRN-1	LNK10553
01278	0000 00 0 0000	10001	STZ	FRN-1	LNK10554
01279	0000 00 0 0000	10001	STZ	FRN-1	LNK10555
01280	0000 00 0 0000	10001	STZ	FRN-1	LNK10556
01281	0000 00 0 0000	10001	STZ	FRN-1	LNK10557
01282	0000 00 0 0000	10001	STZ	FRN-1	LNK10558
01283	0000 00 0 0000	10001	STZ	FRN-1	LNK10559
01284	0000 00 0 0000	10001	STZ	FRN-1	LNK10560

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BINARY CARD ID. NETGEN40

01265	0000 00 0 0000	10001	NECOP SRA	LNK10540
01266	0000 00 0 0000	10001	STZ	LNK10541
01267	0000 00 0 0000	10001	STZ	LNK10542
01268	0000 00 0 0000	10001	STZ	LNK10543
01269	0000 00 0 0000	10001	STZ	LNK10544
01270	0000 00 0 0000	10001	STZ	LNK10545
01271	0000 00 0 0000	10001	STZ	LNK10546
01272	0000 00 0 0000	10001	STZ	LNK10547
01273	0000 00 0 0000	10001	STZ	LNK10548
01274	0000 00 0 0000	10001	STZ	LNK10549
01275	0000 00 0 0000	10001	STZ	LNK10550
01276	0000 00 0 0000	10001	STZ	LNK10551
01277	0000 00 0 0000	10001	STZ	LNK10552
01278	0000 00 0 0000	10001	STZ	LNK10553
01279	0000 00 0 0000	10001	STZ	LNK10554
01280	0000 00 0 0000	10001	STZ	LNK10555
01281	0000 00 0 0000	10001	STZ	LNK10556
01282	0000 00 0 0000	10001	STZ	LNK10557
01283	0000 00 0 0000	10001	STZ	LNK10558
01284	0000 00 0 0000	10001	STZ	LNK10559

BINARY CARD ID. NETGEN41

01344	0000 00 0 0000	10001	CLA	LNK10560
01345	0000 00 0 0000	10001	ACD	LNK10561
01346	0000 00 0 0000	10001	STO	LNK10562
01347	0000 00 0 0000	10001	CLA	LNK10563
01348	0000 00 0 0000	10001	ACD	LNK10564
01349	0000 00 0 0000	10001	STO	LNK10565
01350	0000 00 0 0000	10001	CLA	LNK10566
01351	0000 00 0 0000	10001	ACD	LNK10567
01352	0000 00 0 0000	10001	STO	LNK10568
01353	0000 00 0 0000	10001	CLA	LNK10569
01354	0000 00 0 0000	10001	ACD	LNK10570
01355	0000 00 0 0000	10001	STO	LNK10571

BINARY CARD ID. NETGEN42

01356	0000 00 0 0000	10001	STZ	LNK10572
01357	0000 00 0 0000	10001	STZ	LNK10573
01358	0000 00 0 0000	10001	STZ	LNK10574
01359	0000 00 0 0000	10001	STZ	LNK10575
01360	0000 00 0 0000	10001	STZ	LNK10576
01361	0000 00 0 0000	10001	STZ	LNK10577
01362	0000 00 0 0000	10001	STZ	LNK10578

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01363	200000000017	00001	IN1	RSS	15	LNK10585
01402	200000000017	00001	IN2	RSS	15	LNK10586
01421	200000000017	00001	IN3	RSS	15	LNK10587
01440	200000000017	00001	IN4	RSS	15	LNK10588
01457	200000000017	00001	IN5	RSS	15	LNK10589
01476	200000000017	00001	IN6	RSS	15	LNK10590
01515	200000000017	00001	IN7	RSS	15	LNK10591
01534	200000000017	00001	IN8	RSS	15	LNK10592
01553	200000000017	00001	IN9	RSS	15	LNK10593
01572	200000000017	00001	IN10	RSS	15	LNK10594
01611	200000000017	00001	IN11	RSS	15	LNK10595
01630	200000000017	00001	IN12	RSS	15	LNK10596
01647	200000000017	00001	IN13	RSS	15	LNK10597
01666	200000000017	00001	IN14	RSS	15	LNK10598
01705	200000000001	00001	IN15	RSS	1	LNK10599
01706	200000000001	00001	IN16	RSS	1	LNK10600
01707	200000000001	00001	IN17	RSS	1	LNK10601
01710	200000000001	00001	IN18	RSS	1	LNK10602
01711	200000000001	00001	IN19	RSS	1	LNK10603
01712	200000000001	00001	IN20	RSS	1	LNK10604
01713	200000000001	00001	IN21	RSS	1	LNK10605
01714	200000000001	00001	IN22	RSS	1	LNK10606
01715	200000000001	00001	IN23	RSS	1	LNK10607
01716	200000000001	00001	IN24	RSS	1	LNK10608
01717	200000000001	00001	IN25	RSS	1	LNK10609
01720	200000000001	00001	IN26	RSS	1	LNK10610
01721	200000000001	00001	IN27	RSS	1	LNK10611
01722	200000000001	00001	IN28	RSS	1	LNK10612
01723	200000000001	00001	IN29	RSS	1	LNK10613
01724	200000000001	00001	IN30	RSS	1	LNK10614
01725	200000000001	00001	IN31	RSS	1	LNK10615
01726	200000000001	00001	IN32	RSS	1	LNK10616

BINARY	CARD ID.	NETGEN45					
01727	200000000001	00001	SY	BSS	1		LNK10619
01730	200000000001	00001	SZ	BSS	1		LNK10620
01731	200000000001	00001	SN	BSS	1		LNK10621
01732	200000000001	00001	SA	BSS	1		LNK10622
01733	200000000001	00001	SB	BSS	1		LNK10623
01734	200000000001	00001	SC	BSS	1		LNK10624
01735	200000000001	00001	SLM	BSS	1		LNK10625
01736	200000000001	00001	SLX	BSS	1		LNK10626
01737	200000000001	00001	SLY	BSS	1		LNK10627
01740	200000000001	00001	SLZ	BSS	1		LNK10628
01741	200000000001	00001	SLN	BSS	1		LNK10629
01742	200000000001	00001	SLA	BSS	1		LNK10630
01743	200000000001	00001	SLB	BSS	1		LNK10631
01744	200000000001	00001	SLC	BSS	1		LNK10632
01745	0 00000 0 00000	10000	EXIN	PZE	0		LNK10633
01746	0 00000 0 00000	10000	PRST	PZE	0		LNK10634
01747	200000000003	00001	DAA	BSS	3		LNK10635

EXCIT.-INMIB. INDICATOR
PRIMARY - STATE INDICATOR

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01752	200000000003	00001	FX	BSS	3	FLOATING DIMENSIONALITY TRIPLES	LNK10636
01755	200000000003	00001	FLX	BSS	3		LNK10637

BINARY	CARD ID.	NETGEN46					
01760	200000000003	00001	FA	BSS	3	FLOATING COMP. TRIPLE	LNK10638
01763	200000000012	00001	TEMP	BSS	10		LNK10639
01775	200000001047	00001	TABLE	BSS	551	CONNECTION ENIBITING TABLE	LNK10640
03044	200000000001	00001	COLCTR	BSS	1	COLUMN COUNTER	LNK10641
03045	200000000001	00001	CCTR	BSS	1	COMPONENT COUNTER	LNK10642
03046	200000000001	00001	CNO	BSS	1	NO. OF COMPS IN PRESENT MODE	LNK10643
03047	200000000001	00001	SX	BSS	1	FOUR MODES	LNK10644
03050	200000000001	00001	SI	BSS	1		LNK10645
03051	200000000001	00001	PX	BSS	1		LNK10646
03052	200000000001	00001	PI	BSS	1		LNK10647
03053	200000000001	00001	GSX	BSS	1	PERCENTAGES FOR NORMALIZATION	LNK10648
03054	200000000001	00001	GSI	BSS	1		LNK10649
03055	200000000001	00001	GPX	BSS	1		LNK10650
03056	200000000001	00001	GPI	BSS	1		LNK10651
03057	200000000001	00001	SCTYP	BSS	1	CONNECTION TYPES	LNK10652
03060	200000000001	00001	PCTYP	BSS	1		LNK10653
03061	200000000001	00001	SLFCOM	BSS	1		LNK10654
03062	200000000001	00001	SLFTST	BSS	1		LNK10655
03063	200000000001	00001	RNPUT	BSS	1		LNK10656

BINARY	CARD ID.	NETGEN47					
03064	200000000001	00001	PCH	BSS	1	P-CHOICE	LNK10657
03065	200000000001	00001	DCH	BSS	1	O-CHOICE	LNK10658
03066	200000000001	00001	DCSN	BSS	1	DECISION	LNK10659
03067	0 00000 0 00000	10000	LEVN	PZE	0	LEVEL NO.	LNK10660
03070	0 00000 0 00000	10000	PRLEV	PZE	0	LAST LEVEL NO	LNK10661
03071	200000000001	00001	LPCTR	BSS	1	FAILURE COUNTER	LNK10662
03072	200000000020	00001	DAPEA	BSS	16		LNK10663
03112	200000000001	00001	P	BSS	1	PROBABILITY	LNK10664
03113	200000000001	00001	YTEST	BSS	1		LNK10665
03114	200000000034	00001	OUTA	BSS	28		LNK10666
03150	200000000004	00001	CNVRT	BSS	4		LNK10667
03154	200000000001	00001	ILDIG	BSS	1	NO OF DIGITS, LEV OF INIT COMP	LNK10668
03155	200000000001	00001	OLDIG	BSS	1	SAME FOR TERMINAL COMPS	LNK10669
03156	200000001047	00001	TABLE	BSS	551	TABLE TO STOP INMIB. CONNECTIONS	LNK10670
04225	200000000001	00001	CTR1	BSS	1		LNK10671
04226	200000000001	00001	RNO	BSS	1	INITIALIZATION OF RDM	LNK10672
04227	200000000001	00001	ICDIG	BSS	1	NO OF DIGITS, INIT COMP	LNK10673
04230	200000000001	00001	CTRINT	BSS	1		LNK10674
04231	200000000001	00001	DCDIG	BSS	1	TERM. COMP.	LNK10675

BINARY	CARD ID.	NETGEN48					
04232	200000000001	00001	BISW	BSS	1		LNK10676
04233	200000000001	00001	DT	BSS	1		LNK10677
04234	200000000001	00001	WSTFP	BSS	1		LNK10678
04235	200000000001	00001	COMG	BSS	1		LNK10679
04236	200000000001	00001	GSAT	BSS	1		LNK10680
04237	200000000001	00001	D	BSS	1		LNK10681
04240	200000000001	00001	LEVNO	BSS	1		LNK10682
04241	200000000020	00001	MA	BSS	16		LNK10683
04241	200000000001	00001	CPLS	BSS	1		LNK10684
04242	200000000001	00001	CMIS	BSS	1		LNK10685

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04263	200000000001	00001	CPL1	BSS	1		LNK10686
04264	200000000001	00001	CMIN1	BSS	1		LNK10687
04265	200000000012	00001	COMG 4	BSS	10		LNK10688
04277	200000000001	00001	NUMCOM	BSS	1		LNK10689
04300	200000000012	00001	LEVELN	BSS	10		LNK10690
04312	200000000001	00001	STPL	BSS	1		LNK10691
04313	200000000001	00001	PKPLM	BSS	1		LNK10692
04314	200000000037.0	00001	RDM	MP	2000	AREA FOR STORING OUTPUT	LNK10693
10234	0 00000 0 00000	10000	NEWCOM	PZE	0		LNK10694

BINARY CARD ID. NETGEN49

10235	0 0000 0 0000	10000	KEYS	PZE	0
10236	200000000001	00001	EPSLN	SSS	1
10237	200000000001	00001	DIGIT	BSS	1
10240	000000000000	10000	ZFRU	DEC	0
10241	000000000001	10000	ONE	DEC	1
10242	000000000002	10000	TWO	DEC	2
10243	000000000003	10000	THREE	DEC	3
10244	000000000006	10000	SIX	DEC	6
10245	000000000007	10000	SEVEN	DEC	7
10246	000000000010	10000	ATE	DEC	8
10247	000000000020	10000	EIGHT	DEC	16
10250	000000000012	10000	TEN	DEC	10
10251	000000000016	10000	C14	DEC	14
10252	000000000017	10000	C15	DEC	15
10253	000000000067	10000	C55	DEC	55
10254	000000000144	10000	C100	DEC	100
10255	000000000001	10000	IPASS	DEC	1
10256	000000103240	10000	MAXLP	DEC	100000

MAXIMUM CONSECUTIVE FAILURES

LNK10695
LNK10696
LNK10697
LNK10698
LNK10699
LNK10700
LNK10701
LNK10702
LNK10703
LNK10704
LNK10705
LNK10706
LNK10707
LNK10708
LNK10709
LNK10710
LNK10711
LNK10712
LNK10713

10257 000000000000 10000 *LDIR

BINARY CARD ID. NETGEN50

10260	452563272545	10000			
10261	000000000014	10000		*LORG	
10262	000000000003	10000			
	00000 01111		END		

LNK10714

CONTROL DICTIONARY

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%CDICT NETGEN

NETGEN51

BINARY CARD ID. NETGEN52

010263000000	PREFACE	START=C,LENGTH=4275,TYPE=7094,CNPLX=5
000004000005		
452563272545	NETGEN DECK	LOC=0,LENGTH=4275
010263000000		
452563272545	NETGEN REAL	LOC=0,LENGTH=0
000000000000		
452563272545	NETGEN REAL	LOC=0,LENGTH=0
000000000000		
256731636060	EXIT VIRTUAL	SECT. 4,CALL
200000100000		
332647514533	.FPRN. VIRTUAL	SECT. 5,CALL
200000100000		
516226013160	RSF' VIRTUAL	SECT. 6,CALL
200000100000		
476463512523	PUTREC VIRTUAL	SECT. 7,CALL
200000100000		
332626314333	.FFIL. VIRTUAL	SECT. 8,CALL
200000100000		
332651666333	.FRWT. VIRTUAL	SECT. 9,CALL
200000100000		
332666512433	.FWRD. VIRTUAL	% 10,CALL
200000100000		

BINARY CARD ID. NETGEN53

234645252363	CONNECT VIRTUAL	SECT. 11,CALL
200000100000		
272545677060	GENXY VIRTUAL	SECT. 12,CALL
200000100000		
627062434623	SYSLOC VIRTUAL	SECT. 13
200000000000		
336445000633	.UN06. VIRTUAL	SECT. 14
200000000000		
332623456533	.FCNV. VIRTUAL	SECT. 15
200000000000		
336445001033	.UN08. VIRTUAL	SECT. 16
200000000000		

%XEND NETGEN

NETGEN54

NO MESSAGES FOR THIS ASSEMBLY

SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
AFTER		00530	
APRAM		01072	1055,1063,1067
A		01712	640,1333,1334,1340
ACTP&2		01304	1271-1274
ATE		10246	
BISM		04232	
B		01713	641,1323,1324,1332,1341
C100		10254	
C14		10251	
C15		10252	
C55		10253	
CCTR		0045	653,670,1262
CHTSTC		00733	727
CMIND		04264	645
CMIS		04262	643
CMPEND		00232	226

CNO	03046	614,671,1163,1177,1217,1233
CNVAT	03150	
COLCTR	03044	
CONMG	04235	31
COMMUM	04265	246,267,651,1301
CONLP	00553	211,634,674
CPLI	04263	644
CPLS	04261	642,1357
C	01714	1312,1314,1322,1342
CTR1	04225	200,202
CTRINT	04230	
CVALUE	01353	1360
DAA	01747	
DCM	03065	37,735
DCSM	03066	624,1111,1114
DECIDE	01074	673
DIGIT1	10237	
DIMEM	00172	176
DISI	00771	743,772
DISERR	00517	312
DISF	00771	1011
DISTAT	01002	773
DOP3	01055	1046
D	04237	1017,1021
DSTNCE	00734	621
DT	04233	25
EIGHT	10247	
ENDIS	00745	734,1020
ENTBLE	01117	666
EPSLW	10236	26
EPDCH	00507	740,741,744
ENPROB	00541	534
EXIN	01745	214,217,221,225,230,232,664,1042,1160,1214,1253
EXNER	01262	1170,1175,1224,1231,1252,1254,1256
FA	01760	1004

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SYMBOL REFERENCE DATA

FINISH	00316	
FLEV	00411	417
FLOAT	00726	717,722
FLTNY	00717	412,415,775,1003,1354
FLX	01755	416,777
FWI	00321	312
FRT	00317	277
FONE	01073	1022,1025,1037,1050,1060,1105
FX	01752	413,776
GETOUT	00675	637,633
GPI	03056	375
GPX	03055	373
GSAT	04236	30
GSI	03054	371
GSX	03053	367,1356
IA	01722	603,604,610,774,1002
IR	01723	573,574,602,611
ICDIO	04227	
IC	01724	562,564,572,612
ILDIG	03154	
IP	01715	334,336,556,1201,1207,1240,1243
IN10	01572	51,372
IN11	01611	52,374
IN12	01630	53,376
IN13	01647	54,400
IN14	01666	55,402
IN1	01363	17,40,66,172,267,342,1705
IN2	01402	41,67,173,270,344
IN3	01421	42,70,174,271,346
IN4	01440	43,60,356
IN5	01457	44,61,360
IN6	01476	45,62,362
IN7	01515	46,63,364
IN8	01534	47,366
IN9	01553	50,370
INAREA	01363	
IN	01721	256,337,554,561,607,614,665,1127,1133,1151
IPAS9	10255	251,263,660,1270
IX	01716	414,613
IY	01717	575
IZ	01720	565
..0001	00003	12,13,14
..0002	00005	4,7
..0003	00007	0
KEYS	10235	
LEVFLN	04300	247,652,1302
LEVNO	04240	24,102,177,272,662
LEVN	03067	240,251,327,331,340,656,1200
LEVTDI	04240	237
LPCTR	03071	626,630,667
LVLOP	00207	241
MA	04241	110,175,261,661
MAXLP	10256	631
MLDLOP	00210	220,224,231,236
M	01705	107,112,121,234,333,354,405,1306
WSTEP	04234	27

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SYMBOL REFERENCE DATA

NCLTB	01245	1166,1213,1222
NETGEN	00000	316
NETMAX	00170	76
NEWCOM	10234	663,1266
NEXCOM	01265	1202
NFLLEV	00326	207
NEXMOD	01155	210
NODICE	00706	700
NOGO	00626	620
NO	01113	1107
NPX	01232	1215
N	01711	235,260,355,657,1126,1257,1304,1311,1337
NSTX	01176	1161
NTSIZE	00166	56,65,71,73,74
NTSZEL	00060	75
NUKCOM	04277	245,650,1273,1300,1303
NXPBM	01214	1157
QAREA	03072	
QCDIG	04231	
QKCON	00635	675
OK	00171	113
OLDIG	03155	
ONE	10241	201,216,222,227,330,555,563,571,601,606,627,720,742,755,757,761,763,765,1032,1113,1137,1142,1146,1152,1167,1223,1235,1260,1305,1313,1321,1331,1336
OUTA	03114	
OVSIZE	00145	100
PCH	03064	36,750,1031,1044
PCTYP	03060	401,1121,1220
PERR	00531	753,754
PEXIN	01042	1027
PI	03052	365,1216,1350
PRBLTY	00747	627
PRIMEX	00221	215
PRLEV	03070	255,655,1201,1234,1236
PRMARY	00225	213
PROB1	01021	756,1022,1022,1022
PROB2	01021	760
PROB3	01021	762
PROB4	01021	764
PROB5	01067	766
PROBF	01022	
PRST	01746	217,223,233,654,772,1117,1156,1251
P	03112	1026,1041,1051,1052,1053,1056,1061,1065,1070,1101,1106
PXPLPI	04313	647,1351
PX	03051	363,1232,1347
RDM1	00504	472,474,476,477
RDM2	00505	475
RDM3	00506	501
RDM	00471	177,1075
RDNIT	00177	206
RDUMP	04314	
RNF	04226	35,203
RNPUT	03063	
LCTR	BLCR	
QUAL	UNQS	
LCTR	//	

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SYMBOL REFERENCE DATA

SA	01732	
SAX	01726	
SB	01733	
SC	01734	
SCTYP	03057	377,1124,1164
SELF	01145	1130
SEVEN	10245	
SI	03050	361,1162,1345
SIX	10244	
SIZE	00160	151
SLA	01742	
SLB	01743	
SLC	01744	
SLFCON	03061	403,1211,1255
SLFTST	03062	1145,1147,1212
SLM	01735	1205,1242
SLN	01741	
SLX	01736	
SLY	01737	
SLZ	01740	
SM	01725	406,1206,1241
SN	01731	
SQRT	00422	424,426,437,441,1015
SO	00467	425,430,432,440,442,443,444,445,446,447,452,453,454,455,456,457
STOPIT	01133	
SXPLPI	04312	646,1346
SX	03047	357,1176,1344,1353
SY	01727	
SZ	01730	
TABLE	01775	517,1143,1117,1173,1227,1246,1261
TBLE1	03156	1140,1172,1226,1247
TFMP	01763	1000,1005,1007,1010,1012,1013,1014,1030,1034,1035,1036,1040,1057,1064,1076,1100
TEN	10250	
THREE	10243	1045,1135
TOP1	00101	15
TOP	00016	
TTFST	03113	1122,1125,1131,1134
TWO	10242	1165,1221,1267

UNEQ	00133	120
XCONLP	00704	553,615,672,673
XDECSD	01115	1074,1112
XNE-EM	01361	1265
XNYDE	01144	1192,1141,1150
XNMLEV	00420	324
XNMMOD	01263	1155
XPRDLY	00767	747,1047,1054,1066,.071
XPRD8	01054	1043
XRDH	00502	471
X	01706	32,104,264,343,352,.11,1343
YES	01111	1104,1110
Y	01707	33,105,265,345,351,1325
ZERO	10240	734,751
Z	01710	34,106,246,347,1315

REFERENCES TO VIRTUAL SYMBOLS.

SYMBOL REFERENCE DATA

CONNECT	11	635
EXIT	4	130,155
GENXY	12	252
.FCNV.	15	122,124
.FFIR.	8	125,152,300,313,513,535,701
.FPRD.	5	307,507,531,675
.FRHT.	9	303
.FMRD.	10	114,145,273
.LMDA.	14	117,550
.LMD8.	16	276,306
PUTREC	7	242,1275
RSFIB	6	21
SYSLOC	13	10

81BP7C ISUMA1 M94/2,XR7

ISUMA1 - EFN SOURCE STATEMENT - IFN(S) -

FUNCTION ISUMA(A,MA)	LNK10716
INTEGER A	LNK10717
DIMENSION MA(A)	LNK10718
....SPACING OF CONNECTION POINTS FOR PDP GRAPH.	LNK10719
....A=LEVEL NO., MA=NO. COMPONENTS PER LEVEL. ZERO LEVEL=MA(1)	LNK10720
ISUMA=0	LNK10721
DO 30 L=1,A	LNK10722
30 ISUMA=ISUMA+2*MA(L)+1	LNK10723
RETURN	LNK10724
END	LNK10725

81BP7C GENXY1 M94/2,XR7

GENXY1 - EFN SOURCE STATEMENT - IFN(S) -

SUBROUTINE GENXY (A1,B1,A2,B2,MA,CGMNUM,IPASS,X,Y,Z,IN1,IN2,IN3,1LEVN0)	LNK10728
INTEGER A1,B1, A2,B2,CGMNUM,XX,YY,X,Y,Z,FXA	LNK10729
DIMENSION MA(16),IN1(15),IN2(15),IN3(15),INA(255),EXA(255)	LNK10730
IF(IPASS-2)10,20,30	LNK10731
....LAST PASS. 7777777777 OCTAL SIGNALS END OF CONNECTIONS.	LNK10732
30 EXA(1)=34359738367	LNK10733
INA(1)=34359738367	LNK10734
INA(255)=34359738367	LNK10735
WRITE(3) EXA	LNK10736
WRITE(9) INA	LNK10737
REWRITE(9) INA	LNK10738
10 IPASS=2	LNK10739
11	LNK10740
12	LNK10741
13	LNK10742
14	LNK10743
15	LNK10744
16	LNK10745
17	LNK10746
18	LNK10747
19	LNK10748
20	LNK10749
21	LNK10750
22	LNK10751
23	LNK10752
24	LNK10753
25	LNK10754
26	LNK10755
27	LNK10756
28	LNK10757
29	LNK10758


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20 IF(A1149,40,50
40 XX=2*B1
GO TO 5
50 XX=2*B1+1SUPA1A1,MA1
9 IF(A2160,60,70
60 YY=2*B2
GO TO 6
70 YY=2*B2+1SUPA1A2,MA1
....DETERMINE TYPE OF CONNECTION.
6 IF(COMMON,GT,0) GO TO 1
C ....CONNECTION INHIBITORY
C XX=XX+262144
C INA1J1=XX+YY
C IF(J,LT,255) GO TO 2
C WRITE(9)INA
C J=1
C GO TO 4
2 J=J+1
C GO TO 4
C
C
C
C
LNK10759
LNK10760
LNK10761
LNK10762
LNK10763
LNK10764
LNK10765
LNK10766
LNK10767
LNK10768
LNK10769
LNK10770
LNK10771
LNK10772
LNK10773
LNK10774
LNK10775
LNK10776
LNK10777
LNK10778
LNK10779
LNK10780
LNK10781

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GEBAV2 - EFN SOURCE STATEMENT - IFN(5) -

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```

C
C
C ....CONNECTION EXCITATORY
1 XX=XX+262144
EX=11-XX+YY
IF(J,LT,255) GO TO 3
WRITE(12)EXA
I=1
GO TO 4
3 I=I+1
4 RETURN
END
LNK10782
LNK10783
LNK10784
LNK10785
LNK10786
LNK10787
LNK10788
LNK10789
LNK10790
LNK10791
LNK10792

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BIOFTC PUTRE M 4/2,8RT

PUTRE - EFN SOURCE STATEMENT - IFN(5) -

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SUBROUTINE PUTREC(NUMCOM,COMMON,LEVELN)
INTEGER COMMON
DIMENSION COMMON(10),LEVELN(10)
C ....WRITE CONNECTION RECORD(10) CONNECT(10) PER RECORD MAX.1
C ....COMMON: NO., LEVEL NO., AND NUMBER OF CONNECTION IN RECORD.
C WRITE(8,7050)(COMMON(I),LEVELN(I),I=1,NUMCOM)
7050 FORMAT(10I14,1H,,12I1)
C
C RETURN
END
LNK10794
LNK10795
LNK10796
LNK10797
LNK10798
LNK10799
LNK10800
LNK10801
LNK10802
LNK10803
LNK10804
LNK10805
LNK10806
LNK10807
LNK10808

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BIOFTC CONEC M94/2,8RT

CONEC - EFN SOURCE STATEMENT - IFN(5) -

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SUBROUTINE CONECT(A,B,CPLS,CMTS,CPLI,CHINI,SKPLSI,PKPLPI,
INUMCOM,COMMON,LEVELN,CCTR,PRST,PRLEV,LEVNO,N,IPASS,NA,LEVNO,
ZNEWCOM,EXIN,IM)
DIMENSION COMMON(10),LEVELN(10),MA(16),IN(15),IN2(15),IN3(15)
INTEGER A,B,SKPLSI,PKPLPI,COMMON,CCTR,PRST,PRLEV,Z,EXIN
IF(ZNEWCOM,GT,0) GO TO 20
NEWCOM=1
C ....NEW TERMINAL COMPONENT.
WRITE(8,7050)N,LEVNO,CPLS,CMTS,CPLI,CHINI,SKPLSI,PKPLPI
7050 FORMAT(1H,,13I10,12I10,4F8.4,2I3)
COMMON=0
10 IF(NUMCOM,LT,10) GO TO 1
C ....WRITE OUT THE CONNECTION RECORD.
C CALL PUTREC(NUMCOM,COMMON,LEVELN)
COMMON=0
1 NUMCOM=COMMON+1
CCTR=CCTR+1
C ....DETERMINE APPROPRIATE SIGN FOR EXCITATORY OR INHIBITORY
C CONNECTION AND ATTACH SIGN TO INITIAL COMPONENT NAME.
COMMON(NUMCOM)=IM
IF(EXIN,GT,0)COMMON(NUMCOM)=-IM
C ....DETERMINE IF STATE OR PRIMARY CONNECTION AND ASSIGN THE
C APPROPRIATE LEVEL NO. TO THE INITIAL COMPONENT NAME.
LEVELNUMCOM=LEVNO
IF(PRST,GT,0)LEVELNUMCOM=PRLEV
C ....COMPLETE CONNECTION POINT VALUES FOR POP GRAPH.
C CPLS,CHINI,LEVELNUMCOM,IN,LEVNO,N,MA,COMMON,COMMON,IPASS,X,Y,Z,
1INI,IN2,IN3,LEVNO
C
C RETURN
END
LNK10809
LNK10810
LNK10811
LNK10812
LNK10813
LNK10814
LNK10815
LNK10816
LNK10817
LNK10818
LNK10819
LNK10820
LNK10821
LNK10822
LNK10823
LNK10824
LNK10825
LNK10826
LNK10827
LNK10828
LNK10829
LNK10830
LNK10831
LNK10832
LNK10833
LNK10834
LNK10835
LNK10836
LNK10837
LNK10838
LNK10839
LNK10840
LNK10841

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GENKEYI STORAGE MAP 01/20/66 PAGE 107

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS C1941.

PUTRE STORAGE MAP 01/28/66 PAGE 108

SUBROUTINE PUTREC
ENTRY POINTS

PUTREC SECTION 2

SUBROUTINES CALLED

.FWRD. SECTION 3	.UNOB. SECTION 4	.FFIL. SECTION 5
.FCNV. SECTION 6	SYSLOC SECTION 7	
	EFN IFN CORRESPONDENCE	

EFN 7060	IFN FORMAT	LOCATION 00007	EFN	IFN	LOCATION	EFN	IFN	LOCATION
----------	------------	----------------	-----	-----	----------	-----	-----	----------

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00063.

CONEC STORAGE MAP 01/28/66 PAGE 109

SUBROUTINE CONECT
DIMENSIONED PROGRAM VARIABLES

SYMBOL IN1	LOCATION 00001	TYPE I	SYMBOL IN2	LOCATION 00020	TYPE I	SYMBOL IN3	LOCATION 00037	TYPE I
------------	----------------	--------	------------	----------------	--------	------------	----------------	--------

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL X	LOCATION 00057	TYPE R	SYMBOL Y	LOCATION 00060	TYPE R
----------	----------------	--------	----------	----------------	--------

ENTRY POINTS

SUBROUTINES CALLED

.FWRD. SECTION 3	PUTREC SECTION 4	GENXY SECTION 5
.UNOB. SECTION 6	.FFIL. SECTION 7	.FCNV. SECTION 8
SYSLOC SECTION 9		

EFN IFN CORRESPONDENCE

EFN 10	IFN 6A	LOCATION 00134	EFN 7020	IFN FORMAT	LOCATION 00071	EFN 1	IFN 11A	LOCATION 00150
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THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00344.

RSF11 STORAGE MAP 01/28/66 PAGE 110

SUBROUTINE RSF11
DIMENSIONED PROGRAM VARIABLES

SYMBOL TEMP	LOCATION 00001	TYPE R	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
-------------	----------------	--------	--------	----------	------	--------	----------	------

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL I	LOCATION 00304	TYPE I	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
----------	----------------	--------	--------	----------	------	--------	----------	------

ENTRY POINTS

SUBROUTINES CALLED

.FRDD. SECTION 3	.FWRD. SECTION 4	.FWRD. SECTION 5
.UN05. SECTION 6	.FRTN. SECTION 7	.FCNV. SECTION 8
.UN06. SECTION 9	.FFIL. SECTION 10	.UN03. SECTION 11
.FHLR. SECTION 12	.FBLT. SECTION 13	.FRCT. SECTION 14
.UN08. SECTION 15	SYSLOC SECTION 16	

EFN IFN CORRESPONDENCE

EFN 701	IFN FORMAT	LOCATION 00313	EFN 7020	IFN FORMAT	LOCATION 00320	EFN 7012	IFN FORMAT	LOCATION 00322
701	FORMAT	00342	1	14A	00567	7030	FORMAT	00375
7040	FORMAT	00376	7013	FORMAT	00401	7011	FORMAT	00415
2	91A	01007						

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01251.

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SUBROUTINE IPYCON(READOP,NUMIN,NAMES)
  DIMENSION EL(510),DATA(510),IDATA(510)
  EQUIVALENCE (DATA(1),IDATA(1),EL(1))
  INTEGER READOP,TROOP
  DATA EXPLOD/
  REWIND 4
  REWIND 11
  NEL=NUMIN
  IF(READOP.NE.1)GO TO 1
  C=0
  IF(TROOP.NE.READOP.OR.NUMIN.NE.NUMIN.CR.NAMES.NE.NAMES)GO TO 11
  WRITE(4)READOP,NUMIN,NAMES
  DO 6 I=1,NAMES
    READ(11)NAME,KEY,(IDATA(J),J=1,NUMIN)
    DO 4 J=1,NUMIN
      IF(IDATA(J).GT.256)GO TO 13
      DATA(J)=IDATA(J)-1
      IF(IDATA(J).LT.0.)DATA(J)=0.
      DATA(J)=DATA(J)/256.0
    4 CALL SPINT(IDATA(J),1)
    WRITE(4)NAME,KEY,(IDATA(K),K=1,NUMIN)
  6 CONTINUE
  GO TO 7
1  L=5
  IF(READOP.EQ.3)L=10
  READ(1,TOTO,TROOP,NUMIN,NAMES,EXP)
  IF(TROOP.NE.READOP.OR.NUMIN.NE.NUMIN.CR.NAMES.NE.NAMES)GO TO 11
  WRITE(4)READOP,NUMIN,NAMES
  IF(EXP.NE.EX)GO TO 2
C
C
C
  ASSIGN INPUT VALUES ACCORDING TO EXPLOD CARDS
  CALL EXPLOD(NUMIN,NAMES,EL,IDATA)
  GO TO 7
2  DO 3 I=1,NAMES
  READ(1,9000)NAME,KEY,(EL(K),K=1,NEL)
3C DO 50 J=1,NEL
  50 CALL SPINT(EL(J),1)
  60 WRITE(4) NAME,KEY,(EL(K),K=1,NEL)
  3 CONTINUE
  7 END FILE 4
  REWIND 4
  REWIND 11
  PRINT 9000
  RETURN
11 WRITE(4,8000)
  STOP
13 WRITE(4,8001)
  STOP
80 FORMAT(6H NAME ,14,4X,3HKEY,13//51F19.16,1X)
8000 FORMAT(19H CONTROL CARD ERROR/1H)
8001 FORMAT(19H INPUT VALUE EXCEEDS MAX. SIZE.)
707C FORMAT(12,13,14,A6)
700C FORMAT(14,13,16F4.4/(20F4.4))
9000 FORMAT(///;7H INPUT CONVERTED ////)

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SIDFTC EXPLOR

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```

SUBROUTINE EXPLOR(NUMIN,NAMES,EL,IDATA)
  DIMENSION EL(1),I(1530),VALU(1530),IDATA(1)
  EQUIVALENCE (I(1),VALU(1))
  DO 1 I=1,NAMES
  DO 2 J=1,NUMIN
  2 IDATA(J)=0
  READ(5,1000)NAME,KEY,100CT
1000 FORMAT(A6,2I3)
  M=3+100CT-2
  READ(5,1001)(I(K),I(K+1),VALU(K+2),K=1,M,3)
1001 FORMAT(7I213,F4.4)
  DO 3 K=1,M,3
    L=I(K)
    M=I(K+1)
    DO 4 J=L,M
      EL(J)=VALU(K+2)
    4 CALL SPINT(EL(J),1)
  3 WRITE(4) NAME,KEY,(EL(K),K=1,NUMIN)
  RETURN
END

```


IPTCON

STORAGE MAP

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SUBROUTINE IPTCON
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
EL	00001	R	DATA	00001	R

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE
TRDOP	00777	I
NNAMES	01002	I
KEY	01005	I
EXP	01010	R

SYMBOL	LOCATION	TYPE
NEI	01000	I
I	01003	I
J	01006	I
FX	01011	R

ENTRY POINTS

SYMBOL	LOCATION	TYPE
DATA	00001	I
NNAMES	01001	I
NAME	01004	I
L	01007	I

IPTCON SECTION 2

SUBROUTINES CALLED

SYMBOL	SECTION	TYPE
.FRNT.	SECTION 3	
BPOINT	SECTION 4	
EXPLOD	SECTION 9	
.FWRD.	SECTION 12	
.UNIL.	SECTION 15	
.FBOT.	SECTION 18	
.FCNV.	SECTION 21	
E-1	SECTION 24	
E-4	SECTION 27	
CC-3	SECTION 30	

SYMBOL	SECTION	TYPE
.FRGE.	SECTION 4	
.FVIC.	SECTION 7	
.FEFT.	SECTION 10	
.EXIT.	SECTION 13	
.FRLR.	SECTION 16	
.FBLR.	SECTION 19	
.FFIL.	SECTION 22	
E-2	SECTION 25	
CC-1	SECTION 28	
CC-4	SECTION 31	

EFN IFN CORRESPONDENCE

SYMBOL	SECTION	TYPE
.FWRB.	SECTION 5	
.FRDO.	SECTION 8	
.FPRB.	SECTION 11	
.UNO4.	SECTION 14	
.FBLT.	SECTION 17	
.FRTA.	SECTION 20	
.UNO6.	SECTION 23	
E-3	SECTION 26	
CC-2	SECTION 29	
SYSLOC	SECTION 32	

EFN	IFN	LOCATION
1	49A	01262
4	34A	01227
7070	FORMAT	01047
7080	FORMAT	01052
60	B2A	01433
8001	FORMAT	01041

EFN	IFN	LOCATION
11	94A	01475
13	95A	01507
2	64A	01355
30	74A	01420
9000	FORMAT	01054
80	FORMAT	01025

EFN	IFN	LOCATION
6	45A	01257
7	90A	01453
3	87A	01451
50	77A	01421
8000	FORMAT	01034

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01572.

EXPLOR

STORAGE MAP

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SUBROUTINE EXPLOR
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
IL	00001	I	VALU	00001	R

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE
I	02773	I
IOOCT	02776	I
L	03001	I

SYMBOL	LOCATION	TYPE
NAP	02774	I
M	02777	I
N	03002	I

ENTRY POINTS

SYMBOL	LOCATION	TYPE
KEY	02775	I
K	03000	I

EXPLOR SECTION 2

SUBROUTINES CALLED

SYMBOL	SECTION	TYPE
.FRDO.	SECTION 3	
.UNO5.	SECTION 6	
.UNO4.	SECTION 9	
.FBOT.	SECTION 12	

SYMBOL	SECTION	TYPE
BPOINT	SECTION 4	
.FRNT.	SECTION 7	
.FRLR.	SECTION 10	
SYSLOC	SECTION 13	

EFN IFN CORRESPONDENCE

SYMBOL	SECTION	TYPE
.FWRB.	SECTION 5	
.FCNV.	SECTION 8	
.FBLT.	SECTION 11	

EFN	IFN	LOCATION
1	36A	03143
1001	FORMAT	03016

EFN	IFN	LOCATION
2	7A	C3036
3	27A	03127

EFN	IFN	LOCATION
1000	FORMAT	03014

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 03226.

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BIBFC METAL K94/2,AR7

METAL - EFN SOURCE STATEMENT - IFN(S) -

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SUBROUTINE METAL(INET,STENP) LNK30001
 DIMENSION NS(15),PI(15),FPLS(15),FMINS(15),FPLI(15),FMINI(15),LNK30002
 1(15),RIAS(15),ESUM(15),ASSIGN(100),OUT(500),AISOC,RI500LNK30003
 2),DATA(200),NS(15),NI(15),NPLS(15),NMINS(15),NPLI(15),NMINI(15),LNK30004
 3),IAS(15),NSUM(15),NGWT(1000),GWT(1000)
 DATA MONET/6HENDNET/ LNK30005
 INTEGER X,Y,TABSZ,A1,A1,A,R,ACCR,OUT,SVAL,CUTP1,CUTP2,CUTP3,DATA, LNK30006
 ISTNP,ASSIGN LNK30007
 REAL MSTEP,MS,M LNK30008
 EQUIVALENCE (NDT,DT),(NPSLN,FPSLN),(NSTP,MSTEP),(NSAT,GSAT),(INOM, LNK30009
 IMG,COMM),(INS,MS),(NI,PI),(IMPLS,FPLS),(ININS,FMINS),(IMPLI,FPLI),(INLNK30010
 2INI,FMINI),(NIAS,RIAS),(INSUM,ESUM),(INCPLS,CPLS),(INCINS,CMINS),(INLNK30011
 3CPLI,CPLI),(INCINI,CMINI),(NGWT,GWT) LNK30012
 LNK30013

[illegible]

```

METAL - EFN SOURCE STATEMENT - IF(AS)
J=J+1
OUT(J)=B(K)*262144+A(K)
J=J+1
70 OUT(J)=NGWT(K)
75 DO 80 C=C,IXANDY
IF(A(II))7A,85,85
76 J=J+1
OUT(J)=IABS(B(II)*262144-A(II))
J=J+1
OUT(J)=NGWT(II)
80 XOMIA = XOMIA + 1.0
85 DO 90 LR = L,IXANDY
IF(A(III))95,86,86
86 J=J+1
OUT(J)=B(III)*262144+A(III)
J=J+1
OUT(J)=NGWT(III)
90 XOPB = XOPB + 1.0
95 DO 100 KK = LL,IXANDY
J=J+1
OUT(J)=IABS(B(KK)*262144-A(KK))
J=J+1
OUT(J)=NGWT(KK)
100 XOMIB = XOMIB + 1.0
CHECK GWT CONSISTENCY.
IF((XOMIA + GSAT).GE.CCPLS.AND.(XOMIA + GSAT).CF.CCINI.AND.(XOPB
1. GSAT).GE.CCPL1.AND.(XOMIB + GSAT).GE.CCINI)GO TO 120
WRITE(NTAP,1150) I
1150 FORMAT(1H1,25X24HCOMPONENTS INCONSISTENT./25X2)THE COMPONENT NUMBER
IER = ,14/1
GO TO 1200
120 J=J+1
IF(J.LE.200)GO TO 500
MAX = J-1
WRITE(JTAP)MAX
WRITE(JTAP)(OUT(MN),MN=1,MAX)
WRITE OUT THE 'OUT' ARRAY AND CONTINUE.
J=1
500 CONTINUE
WRITE(NTAP,1140)
1140 FORMAT(1H1,25X2)OUTCO MANY COMPONENTS./1
1200 STOP
END

```


SIDFIC META2 M94/2,XR7

META2 - EFM SOURCE STATEMENT - IFN(S) -

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SUBROUTINE METAS2(DATA,ASSIGN,TABSZ,STINP)          LNK30205
DIMENSION DATA(200),BLOCK(500),ASSIGN(1100)      LNK30206
INTEGER DATA,BLOCK,ASSIGN,TABSZ,STINP,COMPNO     LNK30207
C                                                    LNK30208
C .....METAS2 WRITES A COMPLETE NETWORK TAPE WHICH CONTAINS NETWORK LNK30209
C AND LEVEL INFORMATION IN 200 WORD BLOCKS. .... LNK30210
C ..... LNK30211
C .....WHEN ENTERING THIS PHASE,THE FIRST 156 WORDS OF DATA CONTAIN LNK30212
C LEVEL INFORMATION. I.E.,NAME(I),MS(I),....ESUP(I) ..... LNK30213
C                                                    LNK30214
C I=157 LNK30215
C 2 READ(I) J LNK30216
C                                                    LNK30217
C .....J IS THE NUMBER OF WORDS IN EACH BLOCK. AFTER THE LAST LNK30218
C BLOCK IS READ,J WILL CONTAIN THE SENTINAL 990. .... LNK30219
C                                                    LNK30220
C IF(J.NE.990)GO TO 1 LNK30221
C 555 DO 8 L=1,200 LNK30222
C DATA ARRAY COMPLETED WITH NEGATIVE ZEROES. .... LNK30223
C                                                    LNK30224
C 8 DATA(L)=0 LNK30225
C WRITE(9) DATA LNK30226
C READ(1)( DATA(KL),KL=1,200) LNK30227
C WRITE(9) DATA LNK30228
C REWIND 1 LNK30229
C ENDFILE 9 LNK30230
C REWIND 9 LNK30231
C PRINT 8000 LNK30232
C 8000 FORMAT(////16H NETWORK GENERATED////) LNK30233
C RETURN LNK30234
C 1 READ(1)(BLOCK(KL),KL=1,J) LNK30235
C NEXT=0 LNK30236
C K=1 LNK30237
C 7 IF(J.LE.K)GO TO 2 LNK30238
C NEXT=0 LNK30239
C                                                    LNK30240
C .....WHEN J IS LESS THAN OR EQUAL TO K,BLOCK IS EXHAUSTED. .... LNK30241
C M=I+1 LNK30242
C NONEXT=0 LNK30243
C IF(M.LT.200) GO TO 9 LNK30244
C .....FOLLOWING INSTRUCTIONS THROUGH-GO TO 14- MAINTAIN DATA LNK30245
C ARRAY SIZE. .... LNK30246
C N=K LNK30247
C DO 11 L=1,200 LNK30248
C DATA(L)=BLOCK(N) LNK30249
C 11 N=N+1 LNK30250
C WRITE(9)DATA LNK30251
C N=N-200 LNK30252
C IF(M.GT.0)GO TO 33 LNK30253
C I=1 LNK30254
C NEXT=7 LNK30255
C                                                    LNK30256
C 33 DO 12 L=1,M LNK30257
C DATA(L)=BLOCK(N) LNK30258
C 12 N=N+1 LNK30259
C I=M+1 LNK30260
C NEXT=7 LNK30261
C GO TO 14 LNK30262
C 9 N=K-1 LNK30263
C DO 10 L=1,M LNK30264
C N=N+1 LNK30265
C                                                    LNK30266
C .....COMPONENT INFORMATION IS TRANSFERED FROM BLOCK TO DATA. .... LNK30267
C 10 DATA(L)=BLOCK(N) LNK30268
C NONEXT=1 LNK30269
C .....NONEXT IS THE LOCATION OF THE NEXT TERMINAL COMPONENT. .... LNK30270
C I=I+12 LNK30271
C 14 K=K+12 LNK30272
C IY=BLOCK(K-1)/262144 LNK30273
C .....DIVISION BY 262144 PLACES THE DECREMENT OF A WORD IN THE LNK30274
C ADDRESS OF THE WORD. .... LNK30275
C BLOCK(K-1) IS XANDY LNK30276
C IX=BLOCK(K-1)-IY*262144 LNK30277
C IXY=IX+IY LNK30278

```

META2 - EFM SOURCE STATEMENT - IFN(S) -

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```

GO TO 14
33 DO 12 L=1,M LNK30270
DATA(L)=BLOCK(N) LNK30271
12 N=N+1 LNK30272
I=M+1 LNK30273
NEXT=7
GO TO 14 LNK30274
9 N=K-1 LNK30275
DO 10 L=1,M LNK30276
N=N+1 LNK30277
C .....COMPONENT INFORMATION IS TRANSFERED FROM BLOCK TO DATA. .... LNK30278
C 10 DATA(L)=BLOCK(N) LNK30279
C NONEXT=1 LNK30280
C .....NONEXT IS THE LOCATION OF THE NEXT TERMINAL COMPONENT. .... LNK30281
C I=I+12 LNK30282
C 14 K=K+12 LNK30283
C IY=BLOCK(K-1)/262144 LNK30284
C .....DIVISION BY 262144 PLACES THE DECREMENT OF A WORD IN THE LNK30285
C ADDRESS OF THE WORD. .... LNK30286
C BLOCK(K-1) IS XANDY LNK30287
C IX=BLOCK(K-1)-IY*262144 LNK30288
C IXY=IX+IY LNK30289

```



```

C      LNK30296
C      .....IY IS THE NUMBER OF CONNECTIONS MADE TO A TERMINAL COMPONENT. LNK30297
C      LNK30298
C      DO 20MM=1,IY LNK30299
C      LNK30300
C      .....DO 20 PREPARES THE CONNECTION WORK ITEMS CONSISTING OF EACH LNK30301
C      ADDRESS AND THE CORRESPONDING G-HEIGHT. .... LNK30302
C      LNK30303
C      JBLNC=BLOCK(K)/262144 LNK30304
C      LNK30305
C      .....JBLNC CONTAINS THE LEVEL NUMBER OF AN INITIAL COMPONENT. .... LNK30306
C      LNK30307
C      IF(JBLNC.NE.0)GO TO 3 LNK30308
C      LNK30309
C      .....IF THE LEVEL IS ZERO,THE ADDRESS PORTION OF DATA WILL CONTAIN LNK30310
C      THE FOLLOWING- LNK30311
C      DATA(I)=BLOCK(K)-1+STIMP LNK30312
C      LNK30313
C      .....STIMP IS THE ABSOLUTE BEGINNING OF STIMULOUS INPUT. LNK30314
C      .....BLOCK(K) IS THE STIMULOUS INPUT NUMBER. .... LNK30315
C      GO TO 444 LNK30316
C      3 DO 30 M=1,TABSZ,2 LNK30317
C      LNK30318
C      .....TABSZ IS THE NUMBER OF WORDS IN ARRAY ASSIGN. .... LNK30319
C      .....ARRAY ASSIGN CONTAINS COMPONENT NAMES AND CORRESPONDING LNK30320
C      MACHINE ADDRESSES. .... LNK30321
C      LNK30322
C      30 IF(BLOCK(K).EQ.ASSIGN(M))GO TO 6 LNK30323

```

META2 - EFN SOURCE STATEMENT - IFN(1) -

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```

C      LNK30324
C      .....BLOCK(K) IS THE COMPONENT NAME. .... LNK30325
C      LNK30326
C      WRITE(6,1111) BLOCK(K) LNK30327
C      1111 FORMAT(10X COMPONENT,017,17MCANNOT BE FOUND. ) LNK30328
C      LNK30329
C      STOP LNK30330
C      6 DATA(I)=ASSIGN(M+1) LNK30331
C      444 IF(BLOCK(K+1)) 8889,4,4 LNK30332
C      8889 DATA(I)=DATA(I)-32768+BLOCK(K+1)+262144 LNK30333
C      LNK30334
C      .....32768 PLACES A ONE IN BIT POSITION TWENTY. .... LNK30335
C      LNK30336
C      GO TO 44 LNK30337
C      4 DATA(I)=DATA(I)+32768+BLOCK(K+1)+262144 LNK30338
C      44 I=I+1 LNK30339
C      IF(I.LE.200)GO TO 20 LNK30340
C      NEXT=7 LNK30341
C      WRITE(9)DATA LNK30342
C      I=1 LNK30343
C      20 K=K+2 LNK30344
C      GO TO 7 LNK30345
C      END

```

META1

STORAGE MAP

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SUBROUTINE META1
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
NS	00006	R	MI	00025	R	FPLS	00044	R
FMINS	00063	R	FPLI	00102	R	FMINI	00121	R
BIAS	00140	R	ESUM	00157	R	ASSIGN	02152	I
OUT	04266	I	A	05252	I	B	04236	I
DATA	07222	I	NS	00006	I	NI	00025	I
NPLS	00044	I	NMINS	00063	I	NPLI	00102	I
NMINI	00121	I	NIAS	00140	I	NSUM	00157	I
NGHT	00202	I	GHT	00202	R			

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
X	07532	I	Y	07533	I	TABSZ	07534	I
A1	07535	I	B1	07536	I	ADDR	07537	I
SVAL	07540	I	OUTP1	07541	I	OUTP2	07542	I
OUTP3	07543	I	MSTEP	00003	R	NOT	00001	I
OT	00001	R	NPSLN	00002	I	EPSLN	00002	R
NSTEP	00003	I	NSAT	00004	I	GSATT	00004	R
NOMMG	00005	I	COMMG	00005	R	NCPLS	00176	I
CPLS	00176	R	NCHINS	00177	I	CHINS	00177	R
NCPLI	00200	I	CPLI	00200	R	NCPLI	00201	I
CHINI	00201	R	ITAP	07544	I	ITAP	07545	I
NTAP	07546	I	IVAL	07547	I	OPUT1	07550	R
OPUT2	07551	R	OPUT3	07552	I	J	07553	I
LEVND	07554	I	GSAT	07555	R	COMP	07556	R
I	07557	I	NUT	07560	I	NEXT	07561	I
CCPLS	07562	R	CCMIN	07563	R	CCPLI	07564	R
CCMIN	07565	R	LINK	07566	I	MDNET	07567	I
KA	07570	I	NAME	07571	I	IXANCY	07572	I
XOPLB	07573	R	XOPLA	07574	R	XOPIA	07575	R
XOPIB	07576	R	X	07577	I	L	07600	I
LL	07601	I	MAX	07602	I			

ENTRY POINTS

META1 SECTION 2

SUBROUTINES CALLED

SYMBOL	SECTION	SYMBOL	SECTION	SYMBOL	SECTION
.FVIO.	SECTION 3	.FRDD.	SECTION 4	.RPOINT	SECTION 5
.FMRD.	SECTION 6	.FMRB.	SECTION 7	.FRWT.	SECTION 8
.NETAS2	SECTION 9	.EXIT.	SECTION 10	.FRTN.	SECTION 11
.FCNV.	SECTION 12	.UN06.	SECTION 13	.FFIL.	SECTION 14
.FHL.	SECTION 15	.FBLT.	SECTION 16	.FBDT.	SECTION 17
CC.1	SECTION 18	CC.2	SECTION 19	CC.3	SECTION 20
CC.4	SECTION 21	SYSLOC	SECTION 22		

META1

STORAGE MAP

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EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
4321	11A	07764	4322	18A	07770	5	22A	07773
7010	FORMAT	07631	7015	FORMAT	07636	12	97A	10345
7030	FORMAT	07657	7016	FORMAT	07664	500	270A	11416
7050	FORMAT	07675	15	121A	10460	20	143A	10607
23	131A	10525	21	154A	10654	24	156A	10661
50	184A	11026	7060	FORMAT	07701	25	180A	11071
55	191A	11055	7070	FORMAT	07721	60	194A	11061
65	199A	11073	70	209A	11125	75	213A	11134
66	204A	11104	IC	226A	11173	76	218A	11145
85	228A	11200	90	241A	11234	95	243A	11241
86	233A	11211	100	253A	11273	12C	259A	11343
1150	FORMAT	07724	1200	273A	11433	1140	FORMAT	07740

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 11463.

META2

STORAGE MAP

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SUBROUTINE METAS2 DIMENSIONED PROGRAM VARIABLES			SUBROUTINE METAS2 UNDIMENSIONED PROGRAM VARIABLES					
SYMBOL BLOCK	LOCATION 00001	TYPE I	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
COMPND	00765	I	I	00766	I	J	00767	I
NEXT	00770	I	K	00771	I	P	00772	I
NOMEXT	00773	I	N	00774	I	IY	00775	I
IX	00776	I	IXY	00777	I	AN	01000	I
JBL0C	01001	I						

ENTRY POINTS

METAS2 SECTION 2

SUBROUTINES CALLED

.PRDB. SECTION 3
 .FRMT. SECTION 4
 .FWRD. SECTION 9
 .PRLR. SECTION 12
 .UN09. SECTION 15
 .UN06. SECTION 18

.FWRB. SECTION 4
 .FEFT. SECTION 7
 .EXIT. SECTION 10
 .FBLI. SECTION 13
 .FBLR. SECTION 16
 .FCNV. SECTION 19
 EFN IFN CORRESPONDENCE

.FBLO. SECTION 5
 .FPRN. SECTION 8
 .UN01. SECTION 11
 .FBDT. SECTION 14
 .FFIL. SECTION 17
 SYSLOC SECTION 20

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
2	2A	01040	1	29A	01140	555	7A	01053
8	11A	01054	8000	FORMAT	01022	7	37A	01160
9	75A	01270	11	52A	01210	33	63A	01244
14	86A	01316	12	69A	01255	10	80A	01302
20	136A	01530	3	104A	01376	444	117A	01441
30	107A	01404	6	114A	01431	1111	FORMAT	01027
8889	120A	01447	4	125A	01465	44	129A	01502

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01607.

NETSIM
7094 RELMOD ASSEMBLY.

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PAGE 1

81BLDR NETSIM 14 APR 66

NETSIM00

8FILE NETSIM 'FILE2 ',A(4),READY,INPUT,BLK=256,BIN

NETSIM01

NETSIM
FILE DICTIONARY.

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8FDICT NETSIM

NETSIM02

BINARY CARD ID. NETSIM03
 204002000400 FILE2 FILE 'FILE2
 000000000000
 263143250260
 606060606060
 606060606060

BIN,INPUT,NOHCYN,FLK=256

NETSIM
ASSEMBLED TEXT.

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TEXT NETSIM

NETSIM04

QADDD	ENTRY	NETSIM	
	MACRO	V1,T1	LNK40001
	TOV	001	LNK40002
	STO	DGVALU	LNK40003
	CAL	V1,T1	
	AMA	MASK1	
	XCL		
	XI		
	LRS	1	
	ADD	DGVALU	
	LD00	V1,T1	LNK40013
	TPL	003	
	TOP	003	
	TRA	003	
	TOP	002	
	PXD	0,0	
	ALS	1	LNK40008
	SSP		
	TOV	002	
	CAS	GSAT	
	CLA	GSAT	
	NOP		
	LIS	0	
	ENDM	QADDD	
QMPYF	MACRO	V1,T1	LNK40010
	TOV	001	LNK40011
	MPY	V1,T1	LNK40012
	STL	DFLOC	LNK40014
	TOV	DFLOW	LNK40015
	ENDM	QMPYF	LNK40016
QMPYC	MACRO	V1,T1	LNK40017
	TOV	001	LNK40018
	STL	DFLOC	LNK40019
	MPY	V1,T1	LNK40020
	TOV	DFLOW	LNK40021
	ENDM	QMPYC	LNK40022
QMPYB	MACRO	V1,T1	LNK40023
	TOV	001	LNK40024
	STL	DFLOC	LNK40025
	MPY	V1,T1	LNK40026
	RND		LNK40027
	TOV	DFLOW	LNK40028
	ENDM	QMPYB	LNK40029
QFORM	MACRO	V1	LNK40030
	AMA	MASK1	LNK40031
	SUB	V1	LNK40032
	TNZ	ERR1	LNK40033
	ENDM	QFORM	LNK40034
QADDA	MACRO	V1,T1	LNK40035
	TOV	001	LNK40036
	ARS	4	LNK40037
	STL	DFLOC	LNK40038
	ADD	V1,T1	LNK40039
	TOV	DFLOW	LNK40040
			LNK40041
			LNK40042
			LNK40043
			LNK40044
			LNK40045

SAVE DG
GET GWEIGHT
SAVE SIGN AND GWEIGHT

DIFFERENT SIGNS-SET TO ZERO
POTH SIGNS NEG.--OK
POTH SIGNS POS.--OK

ABSOLUTE MAGNITUDE

NETSIM
ASSEMBLED TEXT.

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QMPYA	ENDM	QADDA	
	MACRO	V1,T1	LNK40046
	TOV	001	LNK40047
	STL	DFLOC	LNK40048
	MPY	V1,T1	LNK40049
	LIS	2	LNK40050
	RND		LNK40051
	TOV	DFLOW	LNK40052
	ENDM	QMPYA	LNK40053
QADDB	MACRO	V1,T1	LNK40054
	TOV	001	LNK40055
	STL	DFLOC	LNK40056
	ADD	V1,T1	LNK40057
	TOV	DFLOW	LNK40058
	ENDM	QADDB	LNK40059
QATWO	MACRO	V1,T1	LNK40060
	TOV	001	LNK40061
	ARS	5	LNK40062
	STL	DFLOC	LNK40063
	ADD	V1,T1	LNK40064
	TOV	SETSW	LNK40065
	ENDM	QATWO	
QSDNE	MACRO	V1,T1	LNK40067
	TOV	001	
	ARS	1	LNK40069
	STL	DFLOC	LNK40070
	SUB	V1,T1	LNK40071
	TOV	DFLOC	LNK40072
	ENDM	QSDNE	LNK40073
FILE2	FILE	,A(4),READY,INPUT,BLK=256,BIN	LNK40074
OSIZE	EQU	200	
Y	EQU	M	LNK40076
C	EQU	NOGDS	
M4N	EQU	B4	
M4M	EQU	A4	
PCENT	EQU	C4	
M1TRY	EQU	A1	
M4(N)	EQU	B4	
M4(M)	EQU	A4	
M3(N)	EQU	A3	
M3(M)	EQU	B3	

00310
04020
04237
00624
00623
00625
00612
00624
00623
00621
00622

BINARY CARD ID. NETSIM05
 00000 1 00000 0 00007 10001 N.TSIM SAVE 11,2,411
 00001 0774 00 2 00000 10000
 00002 0774 00 1 00000 10000
 00003 0774 00 4 00000 10000
 00004 0441 00 0 00000 10001
 00005 0020 00 4 00001 10000
 00006 0 00000 0 00000 10000
 00007 0604 00 0 00000 10001
 00010 0634 00 4 13430 10011
 00011 0634 00 4 04303 10001
 00012 0634 00 4 00003 10001
 00013 0634 00 1 00002 10001
 00014 0634 00 2 00001 10001

LNK40077

NETSIM
 ASSEMBLED TEXT.

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00015 0760 00 0 00016 10000
 00016 0500 60 4 00003 10000
 00017 0601 00 0 04224 10001
 00020 0402 00 0 04271 10001
 00021 0601 00 0 03153 10001
 00022 0500 60 4 00004 10000

LWTH
 CLA* 3,4
 STO RULEVS
 SIM -1
 STO LVWTH
 CLA* 4,4

NO. OF LEVELS -1

BINARY CARD ID. NETSIM06
 00023 0601 00 0 00600 10001
 00024 0500 60 4 00005 10000
 00025 0601 00 0 00601 10001
 00026 0500 60 4 00006 10000
 00027 0601 00 0 00602 10001
 00030 0500 60 4 00007 10000
 00031 0601 00 0 03661 10001
 00032 0500 60 4 00010 10000
 00033 0601 00 0 00575 10001
 00034 000000000000 00010
 00034 0074 00 4 1,400 10011
 00035 1 00022 0 00424 10011
 00036 0 04303 0 00160 10100
 00037 0 00000 0 04235 10001
 00040 0 00000 0 00612 10001
 00041 0 00000 0 00615 10001
 00042 0 00000 0 00616 10001
 00043 0 00000 0 00617 10001
 00044 0 00000 0 00620 10001

STO READOP
 CLA* 5,4
 STO NUMIN
 CLA* 6,4
 STO NAMES
 CLA* 7,4
 STO KEYS
 CLA* 8,4
 STO ISM
 CALL READCC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
 ETC FFSMT,Y,CMPC,NGPR,C,COMBIN)

BINARY CARD ID. NETSIM07
 00045 0 00000 0 00621 10001
 00046 0 00000 0 00622 10001
 00047 0 00000 0 00623 10001
 00050 0 00000 0 00624 10001
 00051 0 00000 0 00625 10001
 00052 0 00000 0 04130 10001
 00053 0 00000 0 04233 10001
 00054 0 00000 0 04020 10001
 00055 0 00000 0 00614 10001
 00056 0 00000 0 00613 10001
 00057 0 00000 0 04237 10001
 00060 0 00000 0 03005 10001
 00061 000000000000 00010
 00061 0074 00 4 13000 10011
 00062 1 00003 0 00405 10011
 00063 0 04303 0 00162 10100
 00064 0 00000 0 00600 10001
 00065 0 00000 0 00601 10001
 00066 0 00000 0 00602 10001

CALL TPCK(READOP,NUMIN,NAMES)

BINARY CARD ID. NETSIM08
 00067 0074 00 4 14000 10011
 00070 0 00000 0 04001 10010
 00071 0074 00 4 14400 10011
 00072 0 00213 0 04001 10110
 00073 0 00462 0 00474 10101

TSX .OPEN,4
 PZE FILE2
 TSX .READ,4
 PZE FILE2,,END2
 PZE EOT,,IREAD

LNK40080

SKIPS CONTROL RECORD

LNK40229

NETSIM
 ASSEMBLED TEXT.

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00074 3 00000 2 00000 10000
 00075 0441 00 0 04235 10001
 00076 0500 00 0 03005 10001
 00077 0100 00 0 00402 10011
 00100 000000000000 00010
 00100 0074 00 4 04400 10011
 00101 1 00002 0 00404 10011
 00102 0 04303 0 00174 10100
 00103 0 00000 0 03006 10001
 00104 0 00000 0 03005 10001
 00105 000000000000 00010
 00105 0074 00 4 05400 10011
 00106 1 00003 0 00405 10011
 00107 0 04303 0 00175 10100

LDRTN **,**
 LDI INDICT
 CLA COMBIN
 TZE **2
 CALL COMB(KEYCOM,COMBIN)

LNK40082

CALL RNET(SKIP,NETTAP,NETMAX)

LNK40083

BINARY CARD ID. NETSIM09

00110	0	00000	0	30047	10000	
00111	0	00000	0	04225	10001	
00112	0	00000	0	04234	10001	
00113	0	00000	0	30000	10010	
00113	0	074	00	4	02400	10011
00114	1	30017	0	00421	10011	
00115	0	04303	0	00176	10100	
00116	0	00000	0	30056	10000	
00117	0	00000	0	30051	10000	
00120	0	00000	0	30052	10000	
00121	0	00000	0	30053	10000	
00122	0	00000	0	30055	10000	
00123	0	00000	0	30056	10000	
00124	0	00000	0	30057	10000	
00125	0	00000	0	30060	10000	
00126	0	00000	0	30061	10000	
00127	0	00000	0	30062	10000	
00130	0	00000	0	30064	10000	
00131	0	00000	0	30303	10000	

CALL NETCNG(DT, EPSLN, NSTEP, CSAT, NS, MI, FPLS, FRMS, FPLT, FRINI,
ETC ESUM, NEXT, RULEVS, ISN, SNERT)

BINARY CARD ID. NETSIM10

00132	0	00000	0	04224	10001	
00133	0	00000	0	00575	10001	
00134	0	00000	0	30303	10000	
00135	0	500	00	0	30047	10000
00136	0	0771	00	0	00022	10000
00137	0	0601	00	0	03721	10001
00140	0	0534	00	2	30047	10000
00141	0	0600	00	0	30047	10000
00142	0	0634	00	2	30047	10000
00143	0	0500	00	0	00401	10001
00144	0	0340	00	0	00403	10001
00145	0	0020	00	0	00403	10011
00146	0	0020	00	0	00452	10001
00147	0	0020	00	0	00452	10001
00150	0	0760	00	0	00144	10000
00151	0	0500	00	0	03461	10001
00152	0	4320	00	0	00295	10001
00153	0	0100	00	0	00162	10001

CLA	SKIP
ARS	10
STD	DPSNUM
LXA	SKIP,2
STZ	SKIP
SKA	SKIP,2
CLA	NUMIN
CAS	C253
TRA	003
TRA	CMIOXY
TRA	CMIOXY
SLM	4
RECSKP	CLA
AMA	KEYS
TZE	FOUR
	FCMG

ON-SKIP TAPE
REMOVE OPSNUM FROM DECREMENT OF SKIP.

ONE RECORD INPUT

TWO RECORD INPUT
TEST FOR RESTART

DO NOT SKIP

LNK40088
LNK40088
LNK40088

LNK40086
LNK40087

NETSIM
ASSEMBLED TEXT.

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00154 7 00000 2 00162 10001

BINARY CARD ID. NETSIM11

00155	0	0074	00	4	14400	10011
00156	0	00203	0	04001	10110	
00157	0	00462	0	00474	10101	
00160	3	00000	2	00200	10000	
00161	2	00001	2	40404	10011	
00162	0	0500	00	0	04233	10001
00163	0	0100	00	0	00200	10001
00164	0	0534	00	2	04237	10001
00165	0	0774	00	1	00004	10000
00166	0	0500	00	1	04134	10001
00167	0	0601	00	1	30063	10000
00170	2	00001	1	00164	10001	
00171	0	0500	00	0	00164	10001
00172	0	0400	00	0	00205	10001
00173	0	0621	00	0	00164	10001
00174	0	0500	00	0	00167	10001
00175	0	0400	00	0	00206	10001
00176	0	0621	00	0	00167	10001
00177	2	00001	2	00165	10001	

TXL	FCMG,2,0
TSX	,READ,4
PZE	FILE2,,E0B2
PZE	EOT,,TREAD
IORIN	00,00
TIX	0-4,2,1
CLA	FFSMT
TZE	FFL4
LXA	MOCOS,2
AXT	4,1
FFL2	CLA
FFL3	FFSPC+4,1
STO	LEVEL+7,1
TIX	FFL2,1,1
CLA	FFL2
ADD	FOUR
STA	FFL2
CLA	FFL3
ADD	C10
STA	FFL3
TIX	FFL1,2,1

SKIP ZERO RECORDS

SKIP A RECORD
ON THE INPUT
TAPE

STORE NEW FIX-FORGET VALUES

LNK40089

LNK40090
LNK40091
LNK40092
LNK40093

LNK40095
LNK40096
LNK40097
LNK40098
LNK40099
LNK40100
LNK40101
LNK40102
LNK40103
LNK40104
LNK40105
LNK40106
LNK40107
LNK40108

BINARY CARD ID. NETSIM12

00200	0	0441	00	0	04235	10001
00201	0	0020	00	0	00207	10001
00202	0	0000	00	0	00400	10011
00203	0	0000	00	0	00400	10011
00204	0	00000	0	30047	10000	
00205	0	000000000004			10000	
00206	0	000000000012			10000	

FFL4	LOI	IND CT
	TRA	SCHED
	HTR	0
	HTR	0
	CINIT	SKIP
	FOUR	4
	C10	10

LNK40124
LNK40125
LNK40126
LNK40127
LNK40128
LNK40129

NETSIM
ASSEMBLED TEXT.

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00207 0441 00 0 04235 10001

00210 0054 00 0 00004 10000

00211 0020 00 0 00231 10001

00212 0054 00 0 00010 10000

00213 0020 00 0 00243 10001

00214 0054 00 0 00020 10000

00215 0020 00 0 00305 10001

00216 0054 00 0 00040 10000

00217 0020 00 0 00330 10001

00220 000000000000 00010

00220 0074 00 4 05000 10011

00221 1 00001 0 00403 10011

* INPT SCHEDULE ROUTINE

SCHED	LOI	INDICT
	RFT	4
	TRA	MODE1
	RFT	10
	TRA	MODE2
	RFT	20
	TRA	MODE3
	RFT	40
	TRA	MODE4
	CALL	,FPRN,(BCDC)'1746'

LNK40131
LNK40135
LNK40136
LNK40137
LNK40138
LNK40139
LNK40140
LNK40141
LNK40142

BINARY CARD ID. NETSIM13								
00222	0	04303	0	03322	10100			
00223	0	00000	0	00645	10000			
00224	000000000000				00010	CALL	FFIL.	LNK40143
00224	0074	00	4	00400	10011			
00225	1	00000	0	00402	10111			
00226	0	04303	0	00264	10100			
00227	0420	00	0	00001	10000	MPR	1	LNK40144
03230	0020	00	0	00401	10010	TRA	--1	LNK40145
00231	4760	00	0	00142	10000	MODE1	SLT	2
00232	0020	00	0	00237	10000	TRA	NIA	
00233	0074	00	4	00420	10001	MI	TSX	INPUT,4
00234	0534	00	4	00612	10001	LXA	MINPS,4	LOAD NUMBER OF TRIES
00235	0034	00	4	00640	10000	SXA	NCYCS,4	
00236	0020	00	0	00704	10001	TRA	BEGIN	
00237	0534	00	4	00640	10001	NIA	LXA	READS,4
00240	0	00001	4	00233	10001	TRX	MI,4,1	TEST FOR MAXIMUM TRIES
00241	0034	00	4	00640	10001	SXA	READS,4	
00242	0020	00	0	00704	10000	TRA	BEGIN	
00243	4760	00	0	00142	10000	MODE2	SLT	2

BINARY CARD ID. NETSIM14								
00244	0020	00	0	00303	10001	TRA	MSE	NO--OFF
00245	0534	00	1	00610	10001	LXA	D(2),1	YES--ON
00246	0	00001	1	00257	10001	TRX	MSC,1,1	D2 VAULES CONSECUTIVELY CORRECT
00247	0034	00	1	00610	10000	MSA	SXA	SAVE D(2)
00250	0534	00	1	00607	10000	LXA	C(2),1	TESTC(2)--NUMBER OF TRIES FOR D2
00251	0	00001	1	00257	10001	TRX	MSC,1,1	C2 TRIES FOR D2 CONSECUTIVELY CORRECT
00252	0034	00	1	00607	10001	SXA	C(2),1	RESPONSES --SAVE C(2)
00253	0074	00	4	00376	10001	TSX	DOUBSR,4	
00254	0500	00	0	04005	10001	CLA	ONE	
00255	0074	00	4	00420	10001	MSB	TSX	INPUT,4
00256	0020	00	0	00704	10001	TRA	BEGIN	
00257	0500	00	0	00620	10001	MSC	CLA	D2
00260	0601	00	0	00610	10001	STO	D(2)	RESET D(2)
00261	0500	00	0	00617	10001	CLA	C2	
00262	0601	00	0	00607	10001	STO	C(2)	RESET C(2)
00263	0534	00	1	00605	10001	LXA	A(2),1	TEST NUMBER OF INPUTS PER CYCLE
00264	2	00001	1	00301	10001	TRX	MSF,1,1	MORE INPUTS
00265	0534	00	1	00606	10000	LXA	B(2),1	TEST NUMBER OF CYCLES
00266	4	00001	1	00276	10001	TRX	MSG,1,1	NO MORE CYCLES

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BINARY CARD ID. NETSIM15								
00267	0634	00	1	00606	10001	SXA	B(2),1	SAVE NUMBER OF CYCLES REMAINING
00270	0074	00	4	00376	10001	TSX	DOUBSR,4	
00271	0500	00	0	00615	10000	CLA	A2	
00272	0500	00	0	00615	10001	CLA	A2	RESET COUNTER OF INPUT NAMES
00273	0601	00	0	00605	10001	STO	A(2)	
00274	0074	00	4	00522	10001	TSX	MESS,4	WRITE CYCLE RESPONSE MESSAGE
00275	0020	00	0	00255	10001	TRA	MSB	
00276	0500	00	0	00616	10001	MSD	CLA	B2
00277	0601	00	0	00606	10001	STO	B(2)	RESET CYCLE INDEX
00300	0534	00	1	00615	10001	LXA	A2,1	RESET INPUT COUNTER INDEX
00301	0634	00	1	00605	10001	MSF	SXA	A(2),1
00302	0020	00	0	00255	10000	TRA	MSB	
00303	0534	00	1	00620	10001	MSB	LXA	D2,1
00304	0020	00	0	00247	10001	TRA	MSA	RESET CONSECUTIVELY CORRECT RESPONSE INDEX
00305	0534	00	4	00642	10001	MODE3	LXA	MINPS,4
00306	4	00001	4	00312	10001	TRX	M3A,4,1	HAVE M INPUTS BEEN READ
00307	0634	00	4	00642	10001	SXA	MINPS,4	NO-READ NEXT INPUT
00310	0074	00	4	00420	10001	M3	TSX	INPUT,4
00311	0020	00	0	00704	10001	TRA	BEGIN	

BINARY CARD ID. NETSIM16								
00312	0534	00	2	00621	10001	M3A	LXA	M3(M),2
00313	0634	00	2	00642	10001	SXA	MINPS,2	YES-RESET M COUNTER
00314	0074	00	4	00522	10001	TSX	MESS,4	WRITE CYCLE RESPONSE MESSAGE
00315	0534	00	4	00643	10001	LXA	NCYCS,4	HAVE M CYCLES BEEN READ
00316	2	00001	4	00322	10001	TRX	M3B,4,1	YES-RESET N COUNTER
00317	0534	00	2	00622	10001	LXA	M3(M),2	
00320	0634	00	2	00643	10001	SXA	NCYCS,2	
00321	0020	00	0	00326	10001	TRA	M3C	
00322	0634	00	4	00643	10001	MSB	SXA	NCYCS,4
00323	0074	00	4	00376	10000	TSX	DOUBSR,4	NO--BSP M TIMES
00324	0500	00	0	00621	10001	CLA	M3(M)	
00325	0441	00	0	04235	10001	LDT	INDICT	
00326	0074	00	4	00420	10001	M3C	TSX	INPUT,4
00327	0020	00	0	00704	10001	TRA	BEGIN	
00330	0500	00	0	00641	10001	MODE4	CLA	TOTAL
00331	0400	00	0	04005	10001	ADD	ONE	ADD ONE TO TOTAL TRIES
00332	0601	00	0	00641	10001	STO	TOTAL	
00333	4760	00	0	00142	10000	SLT	2	HAS LAST RESPONSE CORRECT
00334	0020	00	0	00340	10001	TRA	M4	N/

BINARY CARD ID. NETSIM17								
00335	0500	00	0	00644	10001	CLA	RESCT	YES-ADD 1 TO COUNT
00336	0400	00	0	04005	10001	ADD	ONE	
00337	0601	00	0	00644	10001	STO	RESCT	
00340	0534	00	4	00642	10001	M4	LXA	MINPS,4
00341	6	00001	4	00345	10000	TRX	M4A,4,1	HAVE M INPUTS BEEN READ
00342	0634	00	4	00642	10001	SXA	MINPS,4	NO-READ NEW RECORD
00343	0074	00	4	00420	10001	TSX	INPUT,4	
00344	0020	00	0	00704	10001	TRA	BEGIN	
00345	0534	00	2	00623	10001	M4A	LXA	M4(M),2
00346	0634	00	2	00642	10001	SXA	MINPS,2	
00347	0074	00	4	00522	10001	TSX	MESS,4	WRITE CYCLE RESPONSE MESSAGE
00350	0500	00	0	00644	10001	CLA	RESCT	CALCULATE PERCENT
00351	0560	00	0	04004	10001	IDQ	ZERO	

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00352	0221 00 0 00641	10001	DVP	TOTAL		LNK40201
00353	0760 00 0 00012	10000	DCT			LNK40202
00354	0020 00 0 00360	10001	TRA	M40	CORRECT RESPONSE ON EACH INPUT	LNK40203
00355	0131 00 0 00000	10000	XCA			LNK40204
00356	0402 00 0 00625	10001	SUB	PCENT	IS PERCENT GREATER	LNK40205
00357	4120 00 0 00366	10001	THI	M4C	THAN SPECIFIED ONE	LNK40206
					YES-RESET N COMPUTER	LNK40207
BINARY CARD ID. NETSIN10						
00360	0534 00 4 00624	10001	M40	LXA	M4(N),4	LNK40208
00361	0634 00 4 00643	10001	SXA	NCVCS,4		LNK40209
00362	0074 00 4 00420	10001	TSX	INPUT,4	READ NEW RECORD	LNK40210
00363	0400 00 0 00644	10000	STZ	RESCT		LNK40211
00364	0600 00 0 00641	10001	STZ	TOTAL		LNK40212
00365	0020 00 0 00704	10001	TRA	BEGIN		LNK40213
00366	0534 00 4 00643	10001	M4C	LXA	M4C,4,1	LNK40214
00367	4 00001 4 00360	10001	TRX	NCVCS,4	MAKE N CYCLES BEEN READ	
00370	0634 00 4 00643	10001	SXA	NCVCS,4	NO--BSP N TIMES	LNK40216
00371	0074 00 4 00376	10001	TSX	DOUBSR,4		
00372	0500 00 0 00623	10001	CLA	M4(N)	BACKSPACE M4(N) INPUTS	
00373	0441 00 0 04235	10001	LDI	INDICT		
00374	0074 00 4 00420	10001	TSX	INPUT,4	READ CYCLE AGAIN	LNK40223
00375	0020 00 0 00704	10001	TRA	BEGIN		LNK40224
00376	0634 00 4 00615	10001	DOUBSR	SXA	OUTESR,4	
00377	0522 00 4 00001	10000	REC	1,4	CLA NUMBER OF INPUTS	
00400	4760 00 0 00144	10000	SLT	4		
00401	0020 00 0 00403	10011	TRA	003	ONE RECORD INPUT	
00402	0760 00 0 00144	10000	SLN	4	SLN-THG RECORD INPUT--RESET	
BINARY CARD ID. NETSIN19						
00403	0500 00 4 00001	10000	ADD	1,4	DOUBLE NO. OF INPUTS FOR RECORD COUNT	
00404	0734 00 2 00000	10000	PAX	0,2		
00405	000000000000	00010	BACK	CALL	.FBST.(ZZZ)	
00406	0074 00 4 10000	10011				
00407	1 00001 0 00403	10011				
00408	0 04303 0 00446	10100				
00409	0 00000 0 00517	10001				
00411	0500 00 0 30047	10000	CLA	SKIP		
00412	0402 00 0 04005	10001	SUB	ONE		
00413	0601 00 0 30047	10000	STO	SKIP		
00414	2 00001 2 00405	10001	FIX	BACK,2,1		
00415	0774 00 4 00000	10000	OUTBSR	AXT	00,4	
00416	0020 00 4 00002	10000	TRA	2,4		
00417	0 00000 0 04001	10010	ZZZ	PZE	FILE2	
00420	0634 00 4 00445	10001	INPUT	SXA	IPTRA,4	READ NEXT RECORD FROM
00421	000000000000	00010	CALL		.FMRD.(UNGG.,TCYCL)*7000	LNK40225
00421	0074 00 4 11400	10011				
00422	1 00002 0 00404	10011				
00423	0 04303 0 15530	10100				
BINARY CARD ID. NETSIN20						
00424	0 00000 0 15000	10011				
00425	0 00000 0 00627	10001				
00426	0500 00 3 00605	10001	CLA	A121		
00427	0074 00 4 12400	10011	TSX	.FCNV.,4		
00430	0500 00 0 00607	10001	CLA	C121		

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00431	0074 00 4 15400	10011	TSX	.FCNV.,4		
00432	0500 00 0 00610	10001	C/A	D121		
00433	0074 00 4 15400	10011	TSX	.FCNV.,4		
00434	000000000000	00010	CALL	.FFIL.'7000'		
00434	0074 00 4 06400	10011				
00435	1 00000 0 00402	10011				
00436	0 04303 0 15530	10100				
00437	0074 00 4 14400	10011	READ	TSX	.READ,4	LNK40227
00440	0 00203 0 04001	10110	PZE	FILE2,,E002		LNK40228
00441	0 00462 0 00474	10101	PZE	EDT,,IREAD		
00442	2 00400 0 27046	10000	ICOMM	IORP	NOCNT,256	
00443	4 00001 2 00000	10000	IOCPH	00,1		
00444	3 00377 0 27446	10000	IORT	NOCNT+256,,255		
00445	0774 00 4 00000	10000	IPTRA	AXT	00,4	LNK40231
BINARY CARD ID. NETSIN21						
00446	0500 00 0 30047	10000	CLA	SKIP	ADD TO NUMBER OF RECORDS READ	LNK40232
00447	0400 00 0 04006	10001	ADD	TWO		
00450	0601 00 0 30047	10000	STO	SKIP		LNK40236
00451	0020 00 4 00001	10000	TRA	1,4		LNK40235
00452	4500 00 0 00574	10001	CHIOXY	CAL	ONEREC	IOCD FOR ON RED. SENSORY INPUT.
00453	0602 00 0 00442	10001	SLW	ICOMM		
00454	0500 00 0 00573	10001	CLA	NOOP		
00455	0601 00 0 00443	10001	STO	ICOMM+1		
00456	0601 00 0 00444	10001	STO	ICOMM+2		
00457	0500 00 0 00576	10001	CLA	MOONE	MODIFY REDORD COUNTER	
00460	0621 00 0 00447	10001	STA	IPTRA+2		
00461	0020 00 0 00151	10001	TRA	RECSKP	RETURN TO PROGRAM	
00462	000000000000	00010	IREAD	CALL	.FPRN.(BCDE)'1466'	LNK40236
00463	0074 00 4 05000	10011				
00463	1 00001 0 00403	10011				
00464	0 04303 0 03512	10100				
00465	0 00000 0 00664	10001				
00466	000000000000	00010	CALL	.FFIL.		LNK40237
00466	0074 00 4 06400	10011				

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0200

BINARY CARD ID. NETSIN22

```

00467 1 00000 0 00402 10011
00470 0 04303 0 00513 10100
00471 0420 00 0 00001 10000
00472 0020 00 0 40401 10011
00473 0020 00 0 00400 10011
00474 0074 00 4 10400 10011
00475 0 00000 0 04001 10010
00476 000000000000 00010
00476 0074 00 4 05000 10011
00477 1 00001 0 00403 10011
00500 0 04303 0 03523 10100
00501 0 00000 0 00473 10001
00502 000000000000 00010
00502 0074 00 4 04400 10011
00503 1 00000 0 00402 10011
00504 0 04303 0 00522 10100
00505 000000000000 00010
00505 0074 00 4 11400 10011
00506 1 00002 0 00404 10011
    
```

END

```

HPR 1
TRA 0-1
NTR 0
TSX .CLOSE,4
PZE FILE2
CALL .FPRD.(ENDIP)'075'
    
```

CLOSE DATA FILE

LNK40230
LNK40239
LNK40240
LNK40241
LNK40242
LNK40243

CALL .FFIL.

LNK40244

CALL .FPRD.(UN06..ENDIP)'1076'

LNK40245

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BINARY CARD ID. NETSIN23

```

00507 0 04303 0 03524 10100
00510 0 00000 0 15000 10011
00511 0 00000 0 00673 10001
00512 000000000000 00010
00512 0074 00 4 04400 10011
00513 1 00000 0 00402 10011
00514 0 04303 0 00524 10100
00515 000000000000 00010
00515 0074 00 4 10400 10011
00516 1 00001 0 00403 10011
00517 0 04303 0 00525 10100
00520 0 00000 0 10400 10011
00521 0020 00 0 03201 10001
00522 0634 00 4 00551 10001
00523 0500 00 0 00572 10001
00524 4100 00 0 00536 10001
00525 000000000000 00010
00525 0074 00 4 11400 10011
00526 1 00002 0 00404 10011
    
```

CALL .FFIL.

LNK40246

CALL .FEFT.(UN03..)

LNK40247

```

MESS TRA MESS
        MESSED+1,4
CLA MESSAG
        WRONG RESPONSE COUNTER/CYCLE
TNZ MESSAB
        WRONG RESPONSE IN THIS CYCLE
MESSG CALL .FPRD.(UN06..MESSA)
    
```

LNK40249

BINARY CARD ID. NETSIN24

```

00527 0 04303 0 00532 10100
00530 0 00000 0 15000 10011
00531 0 00000 0 00553 10001
00532 000000000000 00010
00532 0074 00 4 04400 10011
00533 1 00000 0 00402 10011
00534 0 04303 0 00535 10100
00535 0020 00 0 00550 10001
00536 000000000000 00010
00536 0074 00 4 11400 10011
00537 1 00002 0 00404 10011
00540 0 04303 0 00535 10100
00541 0 00000 0 15000 10011
00542 0 00000 0 00562 10001
00543 0500 00 0 00572 10001
00544 0074 00 4 15400 10011
00545 000000000000 00010
00545 0074 00 4 04400 10011
00546 1 00000 0 00402 10011
    
```

CALL .FFIL.

```

MESS TRA MESSED
        .FPRD.(UN06..MESSW)
MESSAB CALL
    
```

```

CLA MESSAG
        .FCNV,4
TSX .FFIL.
CALL
    
```

BINARY CARD ID. NETSIN25

```

00547 0 04303 0 00540 10100
00550 0600 00 0 00572 10001
00551 0774 00 4 00000 10000
00552 0020 00 4 00001 10000
00553 740305300145 10000
00554 466391452346 10000
00555 51125236360 10000
00556 512562474645 10000
00557 622162606330 10000
00560 316260237023 10000
00561 432533346060 10000
00562 740305300160 10000
00563 314523465151 10000
    
```

```

MESSG STZ MESSAG
        0,4
TRA 1,4
MESSB BCI 7,(35H)NO INCORRECT RESPONSES THIS CYCLE.)
        0,(35H) INCORRECT RESPONSES THIS CYCLE + ,14)
    
```

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```

00564 252363605125 10000
00565 624746456225 10000
00566 626063303162 10000
00567 602370234325 10000
00570 601360733104 10000
00571 346060606060 10000
    
```


BINARY CARD ID. NETSIM26

00572	0 00000 0 00000	10000	MESSAG PZE	0	
			STORAGE FROM	SCHEDULE ROUTINE	
00573	0761 00 0 00000	10000	NOPP	NO	
00574	3 00400 0 27044	10000	ONEREC	10RT	NOCHT.,256
	39303		SMEXT	EDU	NEXT
00575	0 00000 0 00000	10000	ISM	PZE	0
00576	0 00000 0 04300	10000	WONE	PZE	ONE
00577	000000000000	10000	THREE	DEC	3
00600	0 00000 0 00000	10000	READOP	PZE	0
00601	0 00000 0 00000	10000	WUPIN	PZE	0
00602	0 00000 0 00000	10000	WUPES	PZE	0
00603	000000000375	10000	C253	DEC	253
00604	0 00000 0 00000	10000	DIASCH	PZE	0
00605	0 00000 0 00000	10000	A121	PZE	0
00606	0 00000 0 00000	10000	B121	PZE	0
00607	0 00000 0 00000	10000	C121	PZE	0
00610	0 00000 0 00000	10000	B121	PZE	0
00611	0 00000 0 00000	10000	CNTR	PZE	0
00612	200000000001	00001	A1	BSS	1
00613	200000000001	00001	WUPR	BSS	1
00614	200000000001	00001	CMPC	BSS	1

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BINARY CARD ID. NETSIM27

00615	200000000001	00001	A2	BSS	1
00616	200000000001	00001	B2	BSS	1
00617	200000000001	00001	C2	BSS	1
00620	200000000001	00001	D2	BSS	1
00621	200000000001	00001	A3	BSS	1
00622	200000000001	00001	B3	BSS	1
00623	200000000001	00001	A4	BSS	1
00624	200000000001	00001	B4	BSS	1
00625	200000000001	00001	C4	BSS	1
00626	000000100000	10000	K20	OCT	100000
00627	740730604431	10000	TCVCL	RCI	09.17M NINPS=.012.5X,7M NEVCS=.082.5X,8M INDICT=.01277771
00630	454762137344	10000			
00631	010273055773	10000			
00632	073060452370	10000			
00633	236213734601	10000			
00634	027305477310	10000			
00635	306031452431	10000			
00636	236313734601	10000			
00637	026161616134	10000			

BINARY CARD ID. NETSIM28

00640	0 00000 0 00000	10000	READS	
00641	0 00000 0 00000	10000	TOTAL	
00642	0 00000 0 00000	10000	NINPS	
00643	0 00000 0 00000	10000	NEVCS	

INDEX FOR NINPS

LNK40255

INDEX FOR NINPS

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INDEX FOR NINPS

LNK40257

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00644	0 00000 0 00000	10000	RESCT		
00645	740111306031	10000	BCDC	BCI	CORRECT RESPONSE COUNT
00646	434325272143	10000			5.119M ILLEGAL INPUT MODE7777
00647	603145476463	10000			
00650	604446242561	10000			
00651	616161346060	10000			
00652	740407306051	10000	BCDD	BCI	9.147M RAISE SIGN BIT TO REPEAT NEXT INPUT, HIT START777
00653	213162256062	10000			
00654	312745602231	10000			
00655	636063466051	10000			
00656	254725216360	10000			
00657	452567636031	10000			
00660	454764637360	10000			
00661	303163606263	10000			
00662	215163616161	10000			

LNK40259

LNK40261

LNK40262

BINARY CARD ID. NETSIM29

00663	613460606060	10000			
00664	740202306031	10000	BCDE	BCI	1.71
00665	454764636063	10000			7.122M INPUT TAPE UNREADABLE7777
00666	214725606445	10000			
00667	512521242122	10000			
00670	432561616161	10000			
00671	346060606060	10000			
00672	606060606060	10000			
00673	746161610306	10000	ENDIP	BCI	8.17736M END OF INPUT. SIMULATION COMPLETE. 71M1
00674	306025452460	10000			
00675	462660314547	10000			
00676	646333606231	10000			
00677	446443216331	10000			
00700	446560234644	10000			
00701	474325632533	10000			
00702	606101300134	10000			
00703	0000 00 0 00400	10011	BOF	HTR	

LNK40263

LNK40264

LNK40265

LNK40266


```
      00031
00704 0774 00 1 00000 10000
00705 0634 00 1 00723 10001

BINARY CARD ID. NETSIM30
00706 0500 00 0 04005 10001 CLA ONE
00707 0601 00 0 04023 10001 STO LEVCT
00710 0441 00 0 04235 10001 LOI INDICT
00711 0055 00 000100 10000 SIR 100
00712 0057 00 000200 10000 MIR 250
00713 0604 00 0 04235 10001 STI INDICT
00714 0500 00 1 30055 10000 SAVEM CLA MS,1
00715 0601 00 0 04036 10001 STO OLDMS
00716 0600 00 1 30063 10000 STZ BIAS,1
00717 0500 00 0 00573 10001 CLA NOPP
00720 0601 00 0 01262 10001 STO REVER1
00721 0601 00 0 01361 10001 STO REVER2
00722 0600 00 0 04017 10001 ZITER STZ TRIAL
00723 0774 00 2 00000 10000 LEVIR AXT **0,2
00724 0600 00 0 04015 10001 STZ OSUM
00725 0600 00 0 04024 10001 STZ COMCT
00726 0774 00 6 00000 10000 AXT 0,6
00727 0634 00 2 00771 10001 BECOM SXA AXT2,2
00730 0634 00 1 00772 10001 SXA LEV1,1

      CLA ONE
      STO LEVCT
      LOI INDICT
      SIR 100
      MIR 250
      STI INDICT
      SAVEM CLA MS,1
      STO OLDMS
      STZ BIAS,1
      CLA NOPP
      STO REVER1
      STO REVER2
      ZITER STZ TRIAL
      LEVIR AXT **0,2
      STZ OSUM
      STZ COMCT
      AXT 0,6
      BECOM SXA AXT2,2
      SXA LEV1,1

      SET LEVEL TO 1 FOR PRINTING
      LEVEL SUMMING--QATKO TOV SIGNAL
      RESET LEVEL ITERATION COUNTER
      BEGINNING OF LEVEL(2STCOMP)
      INITIALIZE OF OUTPUTS
      BEGINNING OF COMPONENT
      SAVE LEVEL NUMBER

      LNK40268
      LNK40269
      LNK40270
      LNK40271
      LNK40272
      LNK40273
      LNK40274
      LNK40275
      LNK40276
      LNK40277
      LNK40278
      LNK40279
      LNK40280
      LNK40281
      LNK40282
      LNK40283
      LNK40284
      LNK40285
      LNK40286
      LNK40287
      LNK40288
      LNK40289
      LNK40290
      LNK40291
      LNK40292
      LNK40293
      LNK40294
      LNK40295
      LNK40296
      LNK40297
      LNK40298
      LNK40299
      LNK40300
```

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00743 0634 00 4 04231 10001 SXA XXXX,4
00744 0600 00 0 04016 10001 STZ TSUM
00745 7 00000 4 01011 10001 TXL PRLIN,4,0
00746 0441 00 0 04235 10001 LOI INDICT
00747 0054 00 000002 10000 RFT 2
00750 1 00001 1 00401 10011 TXI **1,1,1
00751 0300 00 1 30066 10000 CLA OVAL,1
00752 0737 00 1 00000 10000 PAC 0,1
00753 0560 00 2 30303 10000 SSUM LDQ+ LINE1,2
      00754 QMPYB LINE1,2
      00761 QADDA TSUM,0

BINARY CARD ID. NETSIM32
00766 0601 00 0 04016 10001 STO TSUM
00767 1 77777 2 00401 10011 TXI **1,2,-1
00770 2 00001 4 00753 10001 TXL SSUM,4,1
00771 0774 00 4 00000 10000 AXT2 AXT **0,4
00772 0774 00 1 00000 10000 LEV1 AXT **0,1
00773 0560 00 0 04016 10001 LDQ TSUM
      00774 QMPYA MS,1

      TSUM
      TXI **1,2,-1
      TXL SSUM,4,1
      AXT2 AXT **0,4
      LEV1 AXT **0,1
      LDQ TSUM
      QMPYA MS,1

      SAVE XXXX
      TEST FOR ZERO STATE LINES
      TEST I-COMPUTE BIT
      OUTPUT CALCULATED-TAKE NEW VALUE
      INDEX FOR DIRECT EFFECTIVE ADDRESS

      LNK40301
      LNK40302
      LNK40303
      LNK40304
      LNK40305
      LNK40306
      LNK40307
      LNK40308
      LNK40309
      LNK40310
      LNK40311
      LNK40312
      LNK40313
      LNK40314
      LNK40315
      LNK40316
      LNK40317
      LNK40318
      LNK40319
      LNK40320
      LNK40321
      LNK40322
      LNK40323
      LNK40324
      LNK40325
      LNK40326
      LNK40327
      LNK40328
      LNK40329
      LNK40330
      LNK40331
      LNK40332
      LNK40333
      LNK40334
      LNK40335
      LNK40336
      LNK40337
      LNK40338
      LNK40339
      LNK40340
```


BINARY CARD ID. NETSIM34						
01033	0601	00	0 04016	10001	STO	TSUM
01034	1	7777	2 00401	10011	TXI	++1,2,-1
01035	2	00001	4 01020	10000	TXI	ISUM,4,1
01036	0534	00	4 00771	10001	LXA	AXT2,4
01037	0534	00	1 00772	10001	LXA	LEV1,1
01040	0560	00	0 04016	10001	LDO	TSUM
			01041		QMPYA	MI,1
			01047		QADDB	BIAS,1
					* CALCULATE D=S+I	

LNK40341
LNK40342
LNK40343
LNK40344
LNK40345
LNK40346
LNK40347
LNK40348
LNK40349

BINARY CARD ID. NETSIM35						
01053	0601	00	4 30305	10000	STO	IVAL,4
01054	0534	00	4 00771	10001	OPUT	LXA

SAVE COMPUTED I

LNK40350
LNK40351

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01055	0500	00	1 30065	10000	CLA	OFLIP,.	OUTPUT FLIPFLOP	LNK40352
01056	0400	00	0 04010	10001	ADD	2NEXT	GET ADDRESS OF OUTPUT	LNK40353
01057	0621	00	0 01103	10001	STA	OLD	OLD OUTPUT IN ADDRESS	LNK40354
01060	0771	00	0 00022	10000	ARS	10		LNK40355
01061	0621	00	0 01072	10001	SXA	NEW	NEW OUTPUT IN DEER	LNK40356
01062	0500	00	4 30306	10000	CLA	SYAL,4		LNK40357
01063	0140	00	0 00401	10011	TOV	++1		LNK40358
01064	0761	00	0 00000	10000	ICHANG	NOP		
01065	0767	00	0 00010	10000	ALS	8		
01066	0120	00	0 00403	10011	TPL	++3	TEST OFR POSITIVE OVERFLOW	
01067	4754	00	0 00000	10000	PXD	0,0		LNK40361

BINARY CARD ID. NETSIM36								
01070	0100	00	0 00402	10011	TZE	++2	SKIP SATURATION FOR NEGATIVE OVERFLOW	
01071	0140	00	0 01202	10001	TOV	SAT		
01072	0601	00	4 00000	10000	NEW	++0,4	STORE NEW OUTPUT VALUE	LNK40365
			01072		QATWO	OSUM,0	ADD TO SUM	LNK40366
01100	0601	00	0 04015	10001	STO	OSUM		LNK40367
01101	4520	00	0 04017	10001	NZT	TRIAL		
01102	0020	00	0 01122	10000	TRA	MRCOMP	SKIP CONVERGENCE TEST -- FORCE ITERATION	
01103	0500	00	4 00000	10000	OLD	CLA	++0,4	LNK40368
01104	0402	00	0 01072	10001	SUB	NEW	COMPARE OLD VALUE	LNK40369
01105	0560	00	0 04004	10001	LDO	ZERO	WITH NEW VALUE	LNK40370
01106	0221	00	0 01103	10001	OVP	OLD	COMPUTE (OLD-NEW)/OLD	LNK40371
01107	0760	00	0 00012	10000	OCY	OLD		LNK40372
01110	0020	00	0 01112	10001	TRA	OFF+1	ON	LNK40373
01111	0131	00	0 00000	10000	OFF	XCA	OFF	LNK40374
01112	0760	00	0 00003	10000	SSP			LNK40375
			01113		QSONE	EPSLN,0	HAS OUTPUT CONVERGED	LNK40376

BINARY CARD ID. NETSIM37								
01120	4120	00	0 00402	10011	TMI	++2	YES	LNK40377
01121	0760	00	0 00143	10000	SLN	3	NO, SET SWITCH	LNK40378
01122	0500	00	2 30303	10000	MRCOMP	CLA	NEXT,2	
01123	0120	00	0 00727	10001	TPL	RECOM	NO, GET NEXT ONE	LNK40380
01124	0534	00	4 04017	10001	LXA	TRIAL,4	NO. OF TRIES	LNK40383
01125	3	00000	4 01135	10001	TXH	TRI,4,0	TEST FOR FIRST ITERATION	LNK40384
01126	0441	00	0 04235	10001	LDI	INDICT		
01127	0055	00	0 000002	10000	SIR	2	YES-SET BIT TO OMIT 1 COMPUTED	LNK40385
01130	0500	00	0 01147	10001	CLA	I2ND		
01131	0601	00	0 01064	10001	S70	ICHANG		
01132	0604	00	0 04235	10001	STI	INDICT		
01133	0774	00	4 00031	10000	AXT	TRYS,4	SET UP LOOP	LNK40386
01134	0020	00	0 00404	10011	TRA	++4		
01135	4760	00	0 00143	10000	TRI	SLT	3	TEST FOR CONVERGENCE

BINARY CARD ID. NETSIM38								
01136	0020	00	0 01226	10001	TRA	STABL	OFF-CONVERGENCE	LNK40382
01137	6	00001	0 01150	10001	TXN	UNSTA,4,1	TEST FOR MAXIMUM TRIES FOR CONVERGENCE	
01140	0634	00	0 04017	10001	SXA	TRIAL,4	NOT ENOUGH	LNK40388
01141	0534	00	1 00772	10001	LXA	LEV1,1	REVERSE OFLIP	LNK40389
01142	0560	00	1 30065	10000	LDO	OFLIP,1		LNK40390
01143	4773	00	1 00022	10000	RQL	10		LNK40391
01144	4600	00	1 30065	10000	STQ	OFLIP,1		LNK40392
01145	0020	00	0 00723	10001	TRA	LEVIR	START LEVEL AGAIN	LNK40393
01146	0500	00	4 30305	10000	LIST	CLA	IVAL,4	

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01147	0400	00	4 30305	10000	I2ND	ADD	IVAL,4	
						* LEVL IS UNSTABLE. REDUCE MS		
01150	0020	00	0 01151	10001	UNSTA	TRA	UNSI	LNK40394
01151	0500	00	1 30055	10000	UNSI	CLA	MS,1	
01152	0402	00	0 30052	10000		SUB	MSTEP	LNK40405
01153	0120	00	0 00402	10011		TPL	++2	LNK40406
01154	4754	00	0 00000	10000		PXD	0,0	LNK40407
01155	0601	00	1 30055	10000	UNSI	STO	MS,1	STORE NEW MS
01156	0601	00	0 04227	10001		STO	AAA	LNK40408
01157	000000000000		00010			CALL	BTDF(AAA,=5,AAA)'2047'	LNK40409
01157	0074	00	4 04000	10011				LNK40411

BINARY CARD ID. NETSIM39								
01160	1	00003	0 00405	10011				
01161	0	04303	0 03777	10100				
01162	0	00000	0 04227	10001				
01163	0	00000	0 04272	10001				
01164	0	00000	0 04227	10001				
01165	000000000000		00010					
01165	0074	00	4 11000	10011	CALL	.FWRD.(UN06.,PCDA)'2048'		LNK40412
01166	1	00002	0 00404	10011				
01167	0	04303	0 04000	10100				
01170	0	00000	0 15000	10011				
01171	0	00000	0 03605	10001				
01172	0500	00	0 04023	10001	CLA	LEVCT		LNK40413
01173	0074	00	4 15400	10011	TSX	.FCNV,4		LNK40414
01174	0500	00	0 04227	10001	CLA	AAA		LNK40415
01175	0074	00	4 15400	10011	TSX	.FCNV,4		LNK40416
01176	000000000000		00010		CALL	.FFIL,'2048'		LNK40417
01176	0074	00	4 06400	10011				
01177	1	00000	0 00402	10011				
01200	0	04303	0 04000	10000				

BINARY CARD ID. NETSIM40

01201	0020 00 0 00722	10001	TRA	ZITER	START LEVEL AGAIN	LNK40410
01202	0500 00 0 04273	10001	SAT CLA	+037777777777		
01203	0020 00 0 01072	10001	TRA	MEM		
01204	200000000001	00001	DP2 BSS	1		
01205	200000000001	00001	HOLD BSS	1		
01206	200000000001	00001	SHT BSS	1		
01207	740301306046	10000	SHFOTP BCI	7,131H OUTPUT OF COMPONENT TO LARGE =,F9.4)		
01210	646347646360	10000				
01211	462660234644	10000				
01212	47445254563	10000				
01213	606346604321	10000				
01214	512725601373	10000				
01215	261133043460	10000				
01216	740204306031	10000	ADDUTP BCI	6,124H IVAL+SYAL IS TO LARGE =,F9.4)		
01217	632143206265	10000				
01220	214340316260	10000				
01221	634660432151	10000				
01222	272560137326	10000				
01223	113304346060	10000				

BINARY CARD ID. NETSIM41

01224	0 00000 0 00000	10000	HOLD PZE	0		
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01225	777777000000	10000	MASK1 OCT	777777000000		
01226	0057 00 0 00002	10000	STABL RIR	2	RESET BIT FOR I-COMPUTE	LNK40419
01227	0760 00 0 00016	10000	LMTM			LNK
01230	0604 00 0 04235	10001	STI	INDICT		
01231	0560 00 1 30064	10000	LDQ	ESUM,1	GET RANGE OF	LNK40421
01232	0200 00 0 04003	10001	MPY	TENTH	PERMISSIBLE OUTPUT	LNK40422
01233	0601 00 0 04034	10001	STO	TEMP		LNK40423
01234	0500 00 1 30064	10000	CLA	ESUM,1	(ESUM-OSUM) 424	
01235	0402 00 0 04015	10001	SUB	OSUM	GET DIFFERENCE 425	
01236	4340 00 0 04034	10001	LAS	TEMP	IS OUTPUT IN RANGE	LNK40426
01237	0020 00 0 01242	10001	TRA	AJUST	NO-ADJUST BIAS	LNK40427
01240	0320 00 0 01644	10001	TRA	ACCEPT	YES	LNK40428
01241	0020 00 0 01644	10001	TRA	ACCEPT	YES	LNK40429
01242	0441 00 0 01571	10001	AJUST	LDI	BIAS CONTROL WORD	
01243	0661 00 0 01601	10001	STO	DIFF2B		
01244	0054 0 0 000004	10000	RFT	4		
01245	0020 00 0 01355	10001	TRA	ITER4		
01246	0054 00 0 000002	10000	RFT	2		

BINARY CARD ID. NETSIM42

01247	0020 00 0 01311	10001	TRA	AJUST2		
01250	0054 00 0 000001	10000	RFT	1		
01251	0020 00 0 01274	10001	TRA	AJUST1		
01252	0601 00 0 01600	10001	AJUSTO	STO	DIFF1B	(OSUM-ESUM)
01253	0131 00 0 00000	10000	XCA	0,0		
01254	4754 00 0 00000	10000	PKD	CONCT		= OF COMPONENTS THIS LEVEL - B(6)
01255	0221 00 0 04024	10001	DVP			
01256	0131 00 0 00000	10000	XCA			
01257	0560 00 0 01600	10001	LDQ	DIFF1B		ATTACH SIGN FOR CHANGE
01260	0763 00 0 00000	10000	LIS	0		
01261	0771 00 0 00003	10000	ARS	3		B(6) TO B(9)
01262	0761 00 0 00000	10000	REVER1	NOP		CMS INSERTED IF(OSUM2-OSUM1) SIGN DIFFEREN
01263	0601 00 0 01575	10001	STO	DB1		FROM SIGN GIVEN TO DBIAS
01264	0400 00 1 30063	10000	ADD	BIAS,1		BIAS=0,EXCEPT WHEN OVERFLOW OF OSUM HAS OC
01265	0601 00 1 30063	10000	STO	BIAS,1		
01266	0055 00 0 000001	10000	SIR	1		BIAS CONTROL-SIGNALS AJUST 1 FOR NEXT AJUS
01267	0604 00 0 01571	10001	STI	BCONTL		
01270	0300 00 0 04015	10001	CLA	OSUM		
01271	0601 00 0 01572	10001	STO	OSUM1		BASE OSUM FOR TESTING IN LATER AJUSTMENTS

BINARY CARD ID. NETSIM43

01272	0500 00 1 30063	10000	CLA	BIAS,1		
01273	0020 00 0 01602	10001	TRA	AJ2		RETURN
01274	0601 00 0 01601	10001	AJUST1	STO	DIFF2B	B6
01275	0500 00 0 04015	10001	CLA	OSUM		TEST TO SEE IF DB HAS SAME DIRECTION
01276	0340 00 0 01572	10001	CAS	OSUM1		COMPARE FOR SAME
01277	0020 00 0 00402	10011	TRA	**2		
01300	0020 00 0 01543	10001	TRA	01E002		THE SAME --- OUTPUTS SATURATED
01301	0402 00 0 01572	10001	SUB	OSUM1		OF CHANGE AS OSUM. IF NOT SIGN
01302	0601 00 0 01576	10001	STO	OSUM		ATTACHMENT INSTR FOR DB WILL BE REVERSED.
01303	0560 00 0 01600	10001	LDQ	DIFF1B		B6
01304	4120 00 0 00403	10011	TMT	**3		
01305	0162 00 0 00403	10011	TOP	**3		BOTH PLUS
01306	0020 00 0 01377	10001	TRA	REVSIN		DIFFER-REVERSE DB SIGN CODING
01307	0162 00 0 01377	10001	TOP	REVSIN		

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01310	0020 00 0 00402	10011	TRA	**2		
01311	0601 00 0 01601	10001	AJUST2	STG	DIFF2B	TEST (OSUM2-ESUM) WITH (OSUM1-ESUM)
01312	0500 00 0 01601	10001	CLA		DIFF2B	TO SEE IF OSUM2 HAS REACHED OPPOSITE SIDE.
01313	0560 00 0 01600	10001	LDQ		DIFF1B	
01314	4120 00 0 00403	10011	TMT	**3		

BINARY	CARD	ID.	NETSIM44						
01315	0162	00	0	00403	10011	TOP	++3		
01316	0000	00	0	01367	10001	TRA	AJUST4		SAME SIGN-DSUM2 MUST BE FURTHER CHANGED
01317	0162	00	0	01367	10001	TOP	AJUST4		BOTH BOUNDARIES ABOUT ESUM FOUND
01320	0500	00	0	01577	10001	CLA	PCENT4		SMALL ITER. TO REDUCE TO PROPER AMOUNT.
01321	0150	00	0	00403	10011	TOP	++3		
01322	0500	00	0	01575	10201	CLA	DB1		
01323	0020	00	0	01364	10301	TRA	SET2		
01324	4754	00	0	00000	10000	PRD	0.0		
01325	0131	00	0	00000	10000	XCA			
01326	0500	00	0	01576	1071	CLA	DSUM		AMOUNT OF CHANGE FOR DB USED
01327	0221	00	0	01600	10001	DVP	DIFF19		AMOUNT REQUIRED
01330	0760	00	0	00012	10000	DCT			PCENT GREATER THAN ONE
01331	0020	00	0	01556	10001	TRA	LARGE		
01332	4400	00	0	01577	10001	STO	PCENT8		B0
01333	0500	00	0	01575	10001	CLA	DB1		B9
01334	0221	00	0	01577	10001	DVP	PCENT8		B0
01335	0760	00	0	00012	10000	DCT			B9-B0-B9(M0)
01336	0020	00	0	01365	10001	TRA	SMALCH		OVERFLOW-GREATER THAN B9
01337	0131	00	0	00000	10000	XCA			

BINARY	CARD	ID.	NETSIM45						
01340	0402	00	0	01575	10001	SUB	DB1		
01341	0601	00	0	01575	10001	SET2	STO		SAVE DB FOR ITER FOR DSUM OVERFLOW
01342	0055	00	0	000002	10000	SIR	2		SET CONTROL FOR AJUST2
01343	0604	00	0	01571	10001	STI	BCONTL		
01344	0400	00	1	30063	10000	ADD	BIAS,1		BIAS=0, EXCEPT WHEN DSUM OVERFLOWS
01345	0140	00	0	01535	10001	TOV	T0BIG1		
01346	0020	00	0	01602	10001	TRA	AJ2		RETURN
01347	0500	00	0	01575	10001	AJUST4	CLA		DB RANGE-ITERATE TO FIND CORRECT VALUE
01350	0760	00	0	00003	10000	SIP			
01351	0601	00	0	01367	10001	STO	RANGE		
01352	0055	00	0	000004	10000	SIR	4		SET CONTROL FOR AJUST4
01353	0604	00	0	01571	10001	STI	BCONTL		
01354	0601	00	0	01574	10001	STO	BITER		
01355	0500	00	0	01574	10001	ITER4	CLA		
01356	0771	00	0	00001	10000	ARS	1		ITERATE IN 1/2 STEPS IN RANGE OF DB
01357	0560	00	0	01601	10001	LOO	DIFF28		
01360	0763	00	0	00000	10000	LLS	0		
01361	0761	00	0	00000	10000	REVER2	NOP		CHS INSERTED IF DB CHANGES INVERSELY
01362	0601	00	0	01574	10001	STO	BITER		

BINARY	CARD	ID.	NETSIM46						
01363	0400	00	1	30063	10000	ADD	BIAS,1		TO DSUM.
01364	0020	00	0	01602	10001	TRA	AJ2		
01365	0765	00	0	00000	10000	SMALCH	LRS		SAVE SIGN
01366	0054	00	0	000002	10000	RFT	2		
01367	0020	00	0	01373	10001	TRA	SMALC2		ON
01370	0500	00	0	04274	10001	CLA	00100000000000		SET DB=1280, B19)
01371	0763	00	0	00000	10000	LLS	0		ATTACH SIGN OF DB

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01372	0020	00	0	01361	10001	TRA	SET2		SAVE FOR NEXT INCREASE
01373	0500	00	0	01575	10001	SMALC2	CLA		TRUE BIAS VALUE
01374	0400	00	1	30063	10000	ADD	BIAS,1		DOUBLE DB1
01375	0140	00	0	01535	10001	TOV	T0BIG1		
01376	0020	00	0	01602	10001	TRA	AJ2		
01377	0500	00	0	01570	10001	REVSIN	CLA		CMGSIN
01400	0054	00	0	000010	10000	RFT	10		
01401	0500	00	0	00573	10001	CLA	NOPP		
01402	0601	00	0	01262	10001	STO	REVER1		
01403	0601	00	0	01361	10001	STO	REVER2		
01404	0054	00	0	000010	10000	RFT	10		
01405	0020	00	0	01416	10001	TRA	RESET		

BINARY	CARD	ID.	NETSIM47						
01406	0055	00	0	000010	10000	SIR	10		
01407	0604	00	0	01571	10001	STI	BCONTL		
01410	0500	00	0	01575	10001	CLA	DB1		
01411	0760	00	0	000002	10000	CHS			
01412	0601	00	0	01575	10001	STO	DB1		
01413	0767	00	0	000001	10000	ALS	1		
01414	0400	00	1	30063	10000	ADD	BIAS,1		
01415	0020	00	0	01602	10001	TRA	AJ2		
01416	0057	00	0	000010	10000	RESET	RIR		ITERATE BETWEEN /2*DB1/
01417	0604	00	0	01571	10001	STI	BCONTL		
01420	0500	00	0	01575	10001	CLA	DB1		
01421	0760	00	0	000002	10000	CHS			
01422	0400	00	1	30063	10000	ADD	BIAS,1		
01423	0601	00	1	30063	10000	STO	BIAS,1		
01424	0500	00	0	01575	10001	CLA	DB1		
01425	0760	00	0	000002	10000	CHS			
01426	0771	00	0	000001	10000	ARS	1		
01427	0601	00	0	01575	10001	STO	DB1		
01430	0400	00	1	30063	10000	ADD	BIAS,1		

BINARY	CARD	ID.	NETSIM48						
01431	0020	00	0	01602	10001	TRA	AJ2		
01432	0441	00	0	01571	10001	ITER	LDI		
01433	0601	00	0	01601	10001	STO	DIFF28		SAVE SIGN OF DSUM
01434	0054	00	0	000004	10000	RFT	4		
01435	0020	00	0	01555	10001	TRA	ITER4		REDUCE LAST DB BY HALF
01436	0054	00	0	000002	10000	RFT	2		
01437	0020	00	0	01450	10001	TRA	ITER2		
01440	0056	00	0	000001	10000	RNT	1		
01441	0070	00	0	01460	10001	TRA	ITER0		AJUST HAS NOT BEEN CALLED YET
01442	0402	00	0	01572	10001	ITER1	SUB		OVERFLOW AFTER 1ST PASS OF AJUST
01443	0560	00	0	01600	10001	LDQ	DIFF18		TEST FOR CORRECT DIRECTION OF CHANGE
01444	4120	00	0	00403	10011	TAI	++3		
01445	0162	00	0	00403	10011	TOP	++3		BOTH POSITIVE-OK
01446	0020	00	0	01377	10001	TRA	REVSIN		DB1 SIGN WRONG-CHANGE SIGN T
01447	0162	00	0	01377	10001	TOP	REVSIN		
01450	0500	00	0	01575	10001	ITER2	CLA		REDUCE DB1 BY HALF
01451	0771	00	0	000001	10000	ARS	1		
01452	0601	00	0	01575	10001	STO	DB1		
01453	0402	00	1	30063	10000	SUB	BIAS,1		ADJUST BIAS TO REPRESENT DB1/2

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01454	0760	00	0	00002	10000	CHS		PLUS INITIAL BIAS=BIAS-DB1
01455	0055	00	0	000002	10000	SIR	2	
01456	0404	00	0	01571	10001	STI	BCONTL	
01457	0020	00	0	01662	10001	TRA	AJ2	
01460	0401	00	0	01572	10001	STO	OSUM1	SAVE SIGN OF OSUM OVERFLOW
01461	0500	00	1	30063	10000	CLA	BIAS,1	
01462	4100	00	0	01500	10001	TNZ	ITER01	1ST BIAS CHANGE THIS LEVEL
01463	0500	00	0	04024	10001	CLA	COMCT	= COMPONENTS THIS OVERFLOW
01464	0401	00	0	01573	10001	STO	COMCT1	8(0)
01465	0500	00	0	04275	10001	CLA	=037740000000	8(9)
01466	0131	00	0	00000	10000	XCA	0,0	
01467	4754	00	0	00000	10000	PRD	COMCT1	8(9)-8(0)=8(9),MQ
01470	0221	00	0	01573	10001	DVP	3	8(6)
01471	0763	00	0	00000	10000	LLS		
01472	0131	00	0	00000	10000	XCA		
01473	0560	00	0	01572	10001	LDQ	OSUM1	
01474	0763	00	0	00000	10000	LLS	0	
01475	0760	00	0	00002	10000	CHS		
01476	0401	00	0	01575	10001	STO	DB1	

BINARY CARD ID. NETSIM50

01477	0020	00	0	01602	10001	TRA	AJ2	
01500	0500	00	0	04015	10001	CLA	OSUM	MORE OVE..FLOW
01501	0560	00	0	01572	10001	LDQ	OSUM1	TEST FOR SIGN CHANGE IN OVERFLOW
01502	4120	00	0	00403	10011	TNI	++3	
01503	0162	00	0	00403	10011	TOP	++3	SAME SIGN
01504	0020	00	0	01516	10001	TRA	T0BIG	REDUCE DB1-DIFFERENT SIGNS
01505	0162	00	0	01516	10001	TOP	T0BIG	
01506	0500	00	0	04024	10001	CLA	COMCT	SAME SIGN-COMPARE = COMP. IN SUM
01507	0340	00	0	01573	10001	CAS	COMCT1	TEST FOR DIRECTION OF CHANGE
01510	0020	00	0	01524	10001	TRA	REVS	WRONG-REVERSE SIGN OF DB1
01511	0020	00	0	01524	10001	TRA	REVS	UNDECIDED-TRY REVERSED SIGN
01512	0500	00	0	01575	10001	CLA	DB1	OK-MAKE DB1 LARGER
01513	0400	00	1	30063	10000	ADD	BIAS,1	
01514	0140	00	0	01531	10001	TOV	BSAT	
01515	0020	00	0	01602	10001	TRA	AJ2	
01516	0500	00	0	01575	10001	T0BIG	DB1	
01517	0771	00	0	00001	10000	ARS	1	REDUCE DB1 BY HALF
01520	0401	00	0	01575	10001	STO	DB1	
01521	0402	00	1	30063	10000	SUB	BIAS,1	REDUCE BIAS BY HALF DB1

BINARY CARD ID. NETSIM51

01522	0760	00	0	00002	10000	CHS		
01523	0020	00	0	01602	10001	TRA	AJ2	
01524	0500	00	0	01575	10001	REVS	DB1	CHANGE SIGN OF DB1 AND
01525	0771	00	0	00001	10000	ARS	1	INCREASE THE BIAS BY TWO DB1
01526	0400	00	0	01575	10001	ADD	DB1	
01527	0401	00	0	01575	10001	STO	DB1	
01530	0020	00	0	01377	10001	TRA	REVSIN	
01531	0131	00	0	00000	10000	BSAT	XCA	
01532	0500	00	0	04275	10001	CLA	=037740000000	
01533	0763	00	0	00000	10000	LLS	0	
01534	0020	00	0	01602	10001	TRA	AJ2	
01535	0500	00	0	01575	10001	T0BIG1	DB1	
01536	0771	00	0	00001	10000	ARS	1	
01537	0401	00	0	01575	10001	STO	DB1	

NETSIM
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01540	0400	00	1	30063	10000	ADD	BIAS,1	
01541	0140	00	0	01535	10001	TOV	T0BIG1	
01542	0020	00	0	01602	10001	TRA	AJ2	
01543	0500	00	0	01575	10001	01EQ02	DB1	
01544	0767	00	0	00001	10000	ALS	1	

BINARY CARD ID. NETSIM52								
01545	0401	00	0	01575	10001	STO	DB1	
01546	0400	00	1	30063	10000	ADD	BIAS,1	
01547	0140	00	0	01531	10001	TOV	T0BIG2	
01550	0020	00	0	01602	10001	TRA	AJ2	
01551	0500	00	0	04276	10001	T0BIG2	CLA	=037770000000
01552	0560	00	0	01575	10001	LDQ	DB1	
01553	0763	00	0	00000	10000	LLS	0	
01554	0401	00	0	01575	10001	STO	DB1	
01555	0020	00	0	01602	10001	TRA	AJ2	
01556	000000000000			00010		LARGE	CALL	.FWRD.(.UN06.,RB1AS)
01556	0074	00	4	11400	10011			
01557	1	00002	0	00404	10011			
01560	0	04303	0	01321	10100			
01561	0	00000	0	01000	10011			
01562	0	00000	0	03644	10001			
01563	000000000000			00010		CALL	.FFIL.	
01563	0074	00	4	06400	10011			
01564	1	00000	0	00402	10011			
01565	0	04303	0	01522	10100			

BINARY	CARD ID.	NETSIM53					
01566	0020 00 0	01401	10011	TAA	NETSIM+1		
01567	0 00000 0	00000	10000	RANGE PZE	0		
01570	0760 00 0	00000	10000	CHGSIM CHS			
01571	0 00000 0	00000	10000	BCONTL PZE	0		
01572	0 00000 0	02000	10000	OSUM1 PZE	0		
01573	0 00000 0	00000	10000	COMCT1 PZE	0		
01574	0 00000 0	00000	10000	BITER PZE	0		
01575	0 00000 0	00000	10000	DB1 PZE	0		
01576	0 00000 0	00000	10000	DOSUM PZE	0		
01577	0 00000 0	00000	10000	PCENTB PZE	0		
01600	0 00000 0	00000	10000	DIFF1A PZE	0		
01601	0 00000 0	00000	10000	DIFF2B PZE	0		
01602	0601 00 1	30063	10000	AJ2 STO	BIAS,1		
01603	0601 00 0	04227	10001	STO	AAA		
01604	0441 00 0	04235	10001	LDI	INDICT	RESET FOR I-COMPUTED BECAUSE OF CALL TO	LNK40446
01605	0057 00 0	000002	10000	RIR	2	ADJUST BYPASSING STABLE **	
01606	0604 00 0	04235	10001	STI	INDICT		
01607	0500 00 0	00604	10001	CLA	BIASCH	INCREMENT BIAS CHANGE COUNTER	
01610	0400 00 0	04005	10001	ADD	ONE		

BINARY	CARD ID.	NETSIM54					
01611	0601 00 0	00604	10001	STO	BIASCH		
01612	0500 00 0	04036	10001	CLA	OLDMS	USE ORIGINAL MS	LNK40447
01613	0601 00 1	30055	10000	STO	MS,1		LNK40448
01614	0500 00 0	03661	10001	CLA	KEYS	TEST FOR BIAS CHANGE PRINTOUT	
01615	4320 00 0	00626	10001	ANA	K20	KEY 20 -- YES IF A ONE BIT	
01616	0100 00 0	00722	10001	TZE	ZITER		
01617	000000000000	00010	AJ3	CALL	BTDF(AAA,=9,AAA)		

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01617	0074 00 4	04000	10011				
01620	1 03003 0	00405	10011				
01621	0 04303 0	01554	10100				
01622	0 00000 0	04227	10001				
01623	0 00000 0	04277	10001				
01624	0 00000 0	04227	10001				
01625	000000000000	00010		CALL	.FWRD.(.UN06.,PCDB)'2091'		LNK40450
01625	0074 00 4	11400	10011				
01626	1 00002 0	00404	10011				
01627	0 04303 0	04053	10100				
01630	0 00000 0	15000	10011				
01631	0 00000 0	03626	10001				

BINARY	CARD ID.	NETSIM55					
01632	0500 00 0	04023	10001	CLA	LEVCT		LNK40451
01633	0074 00 4	15400	10011	TSX	.FCNV.,4		LNK40452
01634	0500 00 0	04227	10001	CLA	AAA		LNK40453
01635	0074 00 4	15400	10011	TSX	.FCNV.,4		LNK40454
01636	0500 00 0	01571	10001	CLA	BCONTL		
01637	0074 00 4	15400	10011	TSX	.FCNV.,4		
01640	000000000000	00010		CALL	.FFIL.'2091'		LNK40455
01640	0074 00 4	06400	10011				
01641	1 00000 0	00402	10011				
01642	0 04303 0	04053	10100				
01643	0020 00 0	00722	10001	TRA	ZITER	RE-COMPUTE LEVEL	LNK40456
01644	0514 00 1	00772	10001	ACCEPT	LXA	GET LEVEL NUMBER	LNK40457
01645	0600 00 0	01577	10001	STZ	PCENTB		LNK40458
01646	0600 00 0	01571	10001	STZ	BCONTL		
01647	0560 00 1	30066	10000	LDQ	OVAL,1		LNK40459
01650	4773 00 0	00022	10000	RQL	10		LNK40460
01651	4500 00 1	30065	10000	CAL	OFLIP,1		LNK40461
01652	4765 00 0	00022	10000	LGR	10		LNK40462
01653	0621 00 1	30066	10000	STA	OVAL,1	PUT NEW OUTPUT INDEX INTO OVAL	LNK40463

BINARY	CARD ID.	NETSIM56					
01654	4600 00 1	30065	10000	STQ	OFLIP,1	OLD OVAL INDEX INTO FLIPFLOP	LNK40464
01655	0074 00 4	03261	10001	TSX	PRINT,4		LNK40465
01656	0500 00 2	30303	10000	PRIT	OUTPPT FROM LEVEL		LNK40466
01657	0100 00 0	01665	10001	CLA	NEXT,2	CHECK FOR LAST LEVEL	LNK40467
01660	0634 00 2	00723	10001	TZE	ULTIM	YES	LNK40468
01661	0500 00 0	04005	10001	SKA	LEVIR,4	SAVE BEGINNING OF NEW LEVEL	LNK40469
01662	0400 00 0	04023	10001	CLA	ONE	INCREMENT NEW LEVEL NO FOR PRINT	LNK40470
01663	0601 00 0	04023	10001	ADD	LEVCT		LNK40471
01664	1 77766 1	00714	10001	STO	LEVCT		LNK40472
				TXI	SAVEN,1,-10	INCREMENT LEVEL AND	LNK40473
						BEGIN NEW ONE	LNK40474
01665	0500 00 1	30066	10000	CONV	OLIDATTE OUTPUT INTO SMALLER STRING		LNK40475
01666	0737 00 1	00000	10000	ULTIM	CLA		LNK40476
01667	0441 00 0	04235	10001	PAC	OVAL,1	LOAD PROPER OUTPUT WORD	LNK40477
01670	0057 00 0	000100	10000	LDI	0,1		
01671	0055 00 0	000200	10000	LDI	INDICT		
01672	0604 00 0	04235	10001	RIR	100		
01673	0535 00 2	00723	10001	SIR	200	STRING SUMMING-OUT TWO TOV SIGNAL	
01674	0754 00 2	00000	10000	STI	INDICT		LNK40478
				LAC	LEVIR,2		LNK40479
				PXA	0,2	INDEX OF FIRST COMP IN ADDR	

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01675	0400 00 0 04010	10001	ADD	ZNEXT	ADDRESS OF FIRST COMP IN ADDR	LNK40480
01676	0774 00 2 00000	10000	AXT	0,2	INITIALIZE STRING INDEX	LNK40481
BINARY CARD ID. NETSIM57						
01677	0630 00 2 04043	10001	ELTS	STZ	STRING,2	LNK40482
01700	0534 00 4 04020	10001		LXA	M,4	LNK40483
01701	0421 00 0 01703	10001	NEWAD	STA	ADEL	LNK40484
01702	0421 00 0 01712	10001		STA	NELT	LNK40485
01703	0500 00 1 30303	10000	ADEL	CLA	NEXT,1	LNK40486
	01704			QATWD	STRING,2	LNK40487
01711	0401 00 2 04043	10001		STO	STRING,2	LNK40488
01712	0500 00 0 30303	10000	NELT	CLA	NEXT	LNK40489
01713	0100 00 0 01717	10001		TZE	SMALL	LNK40490
01714	0500 00 0 01712	10001		CLA	NELT	LNK40491
01715	2 00001 4 01701	10001		TIX	~MAD,4,1	LNK40492
01716	1 77777 2 01677	10001		TXI	ELTS,2,-1	LNK40493
* DECISION PROCEDURE FOR FIX-FORGETS						
01717	0400 00 0 04035	10001	SMALL	STZ	CMSUM	LNK40494
01720	0530 00 0 03005	10001		CLA	COMBIN	LNK40495
01721	4100 00 0 02644	10001		TNZ	COMBI	TEST FOR MIXED OUTPUT SUMMING
BINARY CARD ID. NETSIM58						
01722	0441 00 0 04235	10001	LDI	INDICT		LNK40496
01723	0054 00 0 000400	10000	RFT	400		LNK40497
01724	0020 00 0 01764	10001	TRA	MSHEND,1		LNK40498
01725	0634 00 1 01763	10001	SXA	MSHEND,1		LNK40499
01726	0774 00 1 00000	10000	AXT	0,1		LNK40500
01727	0600 00 0 04114	10001	STZ	MSHCTR		LNK40501
01730	1 77777 2 00401	10011	TXI	**1,2,-1		LNK40502
01731	4634 00 2 01762	10001	SXD	MISH2,2		LNK40503
01732	0500 00 0 04114	10001	MSHLP	CLA	MSHCTR	LNK40504
01733	0400 00 0 04005	10001	ADD	OME		LNK40505
01734	0401 00 0 04114	10001	STO	MSHCTR		LNK40506
01735	0500 00 1 04043	10001	CLA	STRING,1		LNK40507
01736	0401 00 0 04227	10001	STO	AAA		40508
01737	000000000000	00010	CALL	BTDF(AAA,=6,AAA)'2151'		
01737	0074 00 4 04000	10011				
01740	1 00003 0 00405	10011				
01741	0 04303 0 04147	10100				
01742	0 00000 0 04227	10001				
01743	0 00000 0 04300	10001				
BINARY CARD ID. NETSIM59						
01744	0 00000 0 04227	10001				
01745	000000000000	00010	CALL	.FWRD.(UN06.,MISH1)'2151'		LNK40509
01745	0074 00 4 11400	10011				
01746	1 00002 0 00404	10011				
01747	0 04303 0 04147	10100				
01750	0 00000 0 15000	10011				
01751	0 00000 0 03653	10001				
01752	0500 00 0 04114	10001	CLA	MSHCTR		LNK40510
01753	0074 00 4 15400	10011	TSX	.FCNV,4		LNK40511
01754	0500 00 0 04227	10001	CLA	AAA		LNK40512
01755	0074 00 4 15400	10011	TSX	.FCNV,4		LNK40513
01756	000000000000	00010	CALL	.FFIL.'2151'		LNK40514
01756	0074 00 4 04400	10011				

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01757	1 09000 0 00402	10011				
01760	0 04303 0 04147	10100				
01761	1 77777 1 00401	10011		TXI	**1,1,-1	LNK40515
01762	3 00000 1 01732	11101	MISH2	TXH	MSHLP,1,0-0	LNK40516
	1 00001 7 00001	11010				
01763	0774 90 1 00000	10011	MSHEND	AXT	0-0,1	LNK40517
BINARY CARD ID. NETSIM60						
	1 00001 7 00001	11010				
01764	4634 00 2 02001	10001	SXD	OPEND,2		LNK40518
01765	0535 00 4 27050	10000	LAC	KEY,4		LNK40519
01766	1 00001 4 00401	10011	TXI	**1,4,1		LNK40520
01767	0360 00 4 04043	10001	LDQ	STRING,4		LNK40521
01770	0600 00 4 04043	10001	STZ	STRING,4		LNK40522
01771	0774 00 4 00000	10000	AXT	0,4		LNK40523
01772	0500 00 4 04043	10001	CMP	CLA	STRING,4	LNK40524
01773	0441 00 0 04235	10001	LDI	INDICT		
01774	0034 00 0 000400	10000	RFT	400		LNK40525
01775	0400 00 0 04035	10001	ADD	CMSUM		LNK40526
01776	0043 00 0 02023	10001	TLQ	FORGET		LNK40527
01777	0601 00 0 04035	10001	STO	CMSUM		LNK40528
02000	1 77777 4 00401	10011	TXI	**1,4,-1		LNK40529
02001	3 00001 4 01772	10001	OPEND	TXH	CMP,4,0-0	LNK40530
02002	000000000000	00010	FIX	CALL	.FWRD.(UN06.,PCDC1)'2175'	LNK40531
02003	1 00002 0 00404	10011				
02004	0 04303 0 04177	10100				

BINARY CARD ID. NETSIM61

02005 0 00000 0 15000 10011
 02006 0 00000 0 03667 10001
 02007 0500 00 0 03721 10001
 02010 0400 00 0 04005 10001
 02011 0401 00 0 03721 10001
 02012 0074 00 4 15400 10011
 02013 0500 00 0 27047 10000
 02014 0074 00 4 15400 10011
 02015 000000000000 00010
 02016 0074 00 4 06400 10011
 02017 1 00000 0 00402 10011
 02018 0 04303 0 04177 10100
 02020 0500 00 0 04013 10001
 02021 0760 00 0 00142 10000
 02022 0000 00 0 02045 10001
 02023 000000000000 00010
 02024 0074 00 4 11400 10011
 02025 1 00002 0 00404 10011
 02026 0 03003 0 04210 10100

CLA OPSMUM
 ADD ONE
 STO OPSMUM
 TSX .FCNV.,4
 CLA INUM
 TSX .FCNV.,4
 CALL .FFIL.'2175'
 CLA FPL
 SLM 2
 TRA F
 FMGET CALL .FMRD.(.UN06.,PC001)'2184'

LNK40532
 LNK40533
 LNK40534

LNK40535
 LNK40536
 LNK40537
 LNK40538

BINARY CARD ID. NETSIM62

02026 0 00000 0 15000 10011
 02027 0 00000 0 03701 10001
 02030 0500 00 0 03721 10001
 02031 0400 00 0 04005 10001
 02032 0401 00 0 03721 10001
 02033 0074 00 4 15400 10011

CLA OPSMUM
 ADD ONE
 STO OPSMUM
 TS: .FCNV.,4

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02034 0500 00 0 27047 10000
 02035 0074 00 4 15400 10011
 02036 000000000000 00010
 02037 0074 00 4 06400 10011
 02038 1 00000 0 00402 10011
 02040 0 04303 0 04210 10.00
 02041 0500 00 0 00572 10001
 02042 0400 00 0 04271 10001
 02043 0601 00 0 00572 10001
 02044 0500 00 0 04014 10001
 02045 0421 00 0 02076 10001
 02046 0500 00 0 03661 10001
 02047 0771 00 0 00004 10000

CLA INUM
 TSX .FCNV.,4
 CALL .FFIL.'2184'
 CLA MESSAG
 ADD =1
 STO MESSAG
 CLA FMIM
 STA DG2
 CLA KEYS
 ARS 4

INCORRECT RESPONSE COUNTER/CYCLE

TEST FOR G-WT CHANGE

LNK40539
 LNK40540
 LNK40541

LNK40542
 LNK40543
 LNK40546

BINARY CARD ID. NETSIM63

02050 4320 00 0 04005 10001
 02051 4100 00 0 00207 10001
 02052 0774 00 1 00000 10000
 02053 0441 00 0 04235 10001
 02054 0057 00 0 000300 10000
 02055 0604 00 0 04235 10001
 02056 0500 00 0 04011 10001
 02057 0601 00 0 04012 10001
 02060 0621 00 0 02131 10001
 02061 0621 00 0 02200 10001
 02062 0621 00 0 02127 10001
 02063 0621 00 0 02134 10001
 02064 0500 00 0 04271 10001
 02065 0601 00 0 02662 10001
 02066 0500 00 0 04224 10001
 02067 0402 00 0 04271 10001
 02070 0734 00 4 00000 10000
 02071 0100 00 0 02663 10001
 02072 0634 00 4 03153 10001

ANA ONE
 TNZ SCHED
 AXT 0,1
 LOI INDICT
 RIR 300
 STI INDICT
 CLA INEXT
 STO NTAG2
 STA DG3
 STA DG4
 STA DG30
 STA DG3+3
 CLA =1
 STO STRING
 CLA NULEVS
 SUB =1
 PAX 0,4
 TZE ONELEV
 SXA LVCNTR,4

GET FIRST LEVEL

GSUM-TOV SIGNAL
INITIALIZE NETWORK ADDRESSINITIALIZE STRING COUNTER
INITIALIZE LEVEL COUNTER

SAVE LEVEL COUNTER

LNK40547
 LNK40548
 LNK40549

LNK40550
 LNK40551

BINARY CARD ID. NETSIM64

02073 0500 00 1 30066 10000
 02074 0621 00 0 02075 10001
 02075 4774 00 2 00000 10000
 02076 0560 00 1 00000 10000
 02103 0601 00 0 04037 10001
 02104 0774 00 4 00004 10000
 02105 0634 00 4 04030 10001
 02106 4774 00 2 00013 10000
 02107 0500 00 0 04012 10001
 02110 4734 00 4 00000 10000
 02111 0634 00 4 02327 10001
 02112 0734 00 4 00000 10000
 02113 0634 00 4 02175 10001
 02114 0634 00 1 04022 10001

DG0 CLA OVAL,1
 STA DG1
 AXG =0,2
 LDQ =0,1
 QMPYC NTAG2,0
 STO FACT
 AXT 4,4
 SXA GSET,4
 AXG 11,2
 CLA NTAG2
 PDX 0,4
 SXA MOPRI,4
 PAX 0,4
 SXA DG3,5,4
 SXA LEVNO,1

GET LOCATION OF OUTPUT
FOR THIS LEVEL
GET OUTPUT INDEX
GET F VALUE (+OR-)

SET UP LOOPS FOR 4 G-SETS

SAVE NO. OF PRIMARY LINES(Y)
SAVE NO. OF STATE LINES(X)
SAVE LEVEL NUMBER

LNK40552
 LNK40553
 LNK40554
 LNK40555
 LNK40556
 LNK40557
 LNK40558
 LNK40559
 LNK40560
 LNK40561
 LNK40562
 LNK40563
 LNK40564
 LNK40565
 LNK40566
 LNK40569

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02115 0500 00 1 30066 10000

* CALCULATION OF MEAN OF INPUT
 CLA OVAL,1

BINARY CARD ID. NETSIM65

02116 0737 00 1 00000 10000
 02117 4774 00 2 00014 10000
 02120 0634 00 2 02176 10001
 02121 3 00000 4 02125 10001
 02122 0774 00 4 00002 10000
 02123 0634 00 4 04030 10001
 02124 0020 00 0 02313 10001
 02125 0600 00 0 04016 10001
 02126 0600 00 0 04041 10001
 02127 0500 00 2 30303 10000
 02130 4120 00 0 02150 10001
 02131 0500 00 2 30303 10000
 02132 4120 00 0 02150 10001
 02133 0140 00 0 03231 10001
 02134 0500 00 2 30303 10000
 02135 0771 00 0 00006 10000
 02136 4625 00 0 04113 10001
 02137 0400 00 0 04016 10001
 02140 0140 00 0 03231 10001

PAC 0,1
 AXG 12,2
 SXA DG3,6,2
 TXH DG30-2,4,0
 AXT 2,4
 SXA GSET,4
 DG6
 STZ TSUM
 STZ N
 CLA NEXT,2
 DG3,1
 CLA NEXT,2
 TMI DG3,1
 TOV OFLOW
 CLA NEXT,2
 ANS 6
 STL OFLOC
 ADD TSUM
 TOV OFLOW

INDEX FOR DIRECT EFF. ADDR.
GET INDEX OF 1ST INPUT LINE
SAVE FOR FURTHER USEDO STATE LINES
YES- SET UP LOOP FOR
2 PRIMARY GSETS

INITIALIZE SUM

GET LINE SIGN FOR PLUS SET TEST
NO PLUS LINE SET-STATE/PRIMARY
GET LINE FOR END OF SET TEST
SIGN CHANGE - TEST FOR ERROR.GET LINE INPUT
B(1) TO B(7)

LNK40571
 LNK40572

LNK40573
 LNK40574
 LNK40575

LNK40577
 LNK40578
 LNK40579
 LNK40580

BINARY CARD ID. NETSIM46

02141 0401 00 0 04016 10001
 02142 0500 00 0 04041 10001
 02143 0400 00 0 04005 10001
 02144 0401 00 0 04041 10001
 02145 1 77777 2 00401 10011
 02146 2 00001 4 02131 10001
 02147 1 77777 4 00401 10011
 02150 0500 00 0 04041 10001
 02151 0441 00 0 04235 10001
 02152 0054 00 0 002000 10000
 02153 0100 00 0 02477 10001
 02154 0054 00 0 002000 10000
 02155 3 00000 4 02477 10001
 02156 4100 00 0 02167 10001
 02157 0055 00 0 002000 10000
 02160 0404 00 0 04235 10001
 02161 0500 00 0 04030 10001
 02162 0402 00 0 04005 10001
 02163 0401 00 0 04030 10001

STO TSUM
 CLA M
 ADD ONE
 STO M
 TXI **1,2,-1
 TXI DG3,4,1
 TXI **1,4,-1
 CLA M
 LDI INDICT
 RFT 2000
 TZE LINERR
 RFT 2000
 TXM LINERR,4,0
 TXZ DG3,2
 SIR 2000
 STI INDICT
 CLA GSET
 SUB ONE
 STO GSET

LINE COUNT FOR DIVISION

REDUCES IR4 TO ZERO IF MINUS GSET FINISHED
 COMPUTE MEAN FOR SET
 NO LINES IN SET

NONMINUS SIGN - ERROR
 MINUS GSET - TEST TO SEE IF FINISHED
 IF .GT. 0, SIGN CHANGE BEFORE IND. OF MINUS
 END OF GSET -- OK
 SET FOR MINUS SET

INCREMENT C-VALUE INDEX AND SET COUNTER

BINARY CARD ID. NETSIM47

02164 0500 00 0 02512 10001
 02165 0401 00 0 02132 10001
 02166 0020 00 0 02131 10001
 02167 0500 00 0 04016 10001
 02170 0131 00 0 00000 10000
 02171 4754 00 0 00000 10000
 02172 0221 00 0 04041 10001
 02173 0763 00 0 00004 10000
 02174 4400 00 0 04042 10000

CLA SPLUS
 STO DG3+1
 TRA DG3
 CLA TSUM
 XCA
 PXD 0,0
 M
 DVP
 LLS 0
 STO MEAN

CHANGE LINE SIGN TEST

NO MINUS LINES

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* CALCULATE DG 5

02175 0774 00 4 00000 10000
 02176 0774 00 2 00000 10000
 02177 0400 00 0 04040 10001
 02200 0500 60 2 30303 10000
 02201 0402 00 0 04042 10001
 02202 0131 00 0 00000 10000
 02203

DG3,5 AXI **0,4
 DG3,6 AXI **0,2
 STZ GSUM
 CLA* NEXT,2
 SUB MEAN
 XCA
 QMPYF DT,0

NUMBER OF INPUT LINES
 INDEX OF NEXT INPUT LINE
 INITIALIZE SUM OF G-WEIGHTS
 GET NEXT INPUT
 (X-MEAN)

LNK40595
 LNK40596
 LNK40597
 LNK40598
 LNK40599
 LNK40600
 LNK40601
 LNK40602

BINARY CARD ID. NETSIM48

02207 0131 00 0 00000 10000
 02210 0140 00 0 00401 10011
 02211 4425 00 0 04113 10001
 02212 0200 00 0 04037 10001
 02213

XCA
 TOV
 STL OFLOC
 MPY FACT,0
 JADDD NTAG2,0

LNK40603
 LNK40604
 LNK40605
 LNK40606
 LNK40609

BINARY CARD ID. NETSIM49

02240 0131 00 0 00000 10000
 02241 4420 60 0 04012 10001
 02242 0131 00 0 00000 10000
 02243 0760 00 0 00003 10000
 02244 0441 00 0 04235 10001
 02245 0054 60 0 001000 10000
 02246 0074 00 7 02522 10001
 02247
 02254 0401 00 0 04040 10001

XCA
 SLQ* NTAG2
 XCA
 SSP
 LDI INDICT
 RFT 1000
 TSX SQWGT,7
 QATWO GSUM,0
 STO GSUM

STORE NEW G-WEIGHT

ADD TO SUM OF G-WEIGHTS

LNK40610
 LNK40611
 LNK40612
 LNK40613

BINARY CARD ID. NETSIM70

02255 1 77777 2 00401 10011
 02256 0500 60 0 04012 10001
 02257 0441 00 0 04235 10001
 02260 0054 00 0 002000 10000
 02261 0020 00 0 00402 10011
 02262 4120 00 0 02265 10001
 02263 2 00001 4 02200 10001
 02264 0020 00 0 02303 10001
 02265 4425 00 0 02476 10001
 02266 0020 00 0 02334 10001
 02267 0774 00 4 00000 10000
 02270 6 00001 4 02307 10001
 02271 0434 00 4 02175 10001
 02272 0441 00 0 04235 10001
 02273 0055 00 0 002000 10000
 02274 0404 00 0 04235 10001
 02275 0500 00 0 02512 10001
 02276 0401 00 0 02132 10001
 02277 0400 00 0 04041 10001

TXI **1,2,-1
 CLA* NTAG2
 LDI INDICT
 RFT 2000
 TRA **7
 TXI DIFF1
 TXI DG4,4,1
 TRA DIFF2
 DIFF1 STL NTRA
 TRA NORM
 AXI **4
 TXN DG5,4,1
 SKA DG3,5,4
 LDI INDICT
 SIR 2000
 STI INDICT
 CLA SPLUS
 STO DG3+1
 STZ M

CHECK FOR NEG. G-SET

ON- DO NOT TEST
 OFF-TEST
 GET NEXT INPUT LINE
 END OF STATE (OR PRIMARY) LINE
 END OF POSITIVE G-SET
 NORMALIZE G-WEIGHTS

SAVE IR4

TEST FOR END OF X OR Y LINES

NO-SET SW FOR NEG G-SET

CHANGE LINE SIGN TEST

LNK40616
 LNK40617

LNK40618
 LNK40619
 LNK40620
 LNK40621
 LNK40622
 LNK40623
 LNK40624

LNK40625

LNK40626

BINARY CARD ID. NETSIM71

02300 0600 00 0 04016 10001
 02301 0522 00 0 02176 10001
 02302 0020 00 0 02131 10001
 02303 0057 00 0 002000 10000
 02304 0404 00 0 04235 10001
 02305 4425 00 0 02476 10001
 02306 0020 00 0 02334 10001

STZ TSUM
 XEC DG3,4
 TRA DG3
 DIFF2 RIR 2000
 STI INDICT
 STL NTRA
 TRA NORM

GET NEXT INPUT LINE FOR MEAN
 DO MINUS LINES
 END OF NEG G-SET

NORMALIZE G-WEIGHTS

LNK40628

LNK40629
 LNK40630

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02307	0534	00	4	04030	10001	DG5	LXA	GSET,4	TEST FOR END	LNK40631
02310	0500	00	0	02513	10001	CLA	SMINUS		RESET LINE SIGN TEST	LNK40632
02311	0601	00	0	02132	10001	STO	DG3+1			
02312	6	00001	4	02604	10001	TXN	ELEND,4..		OF COMPONENT	LNK40633
02313	0534	00	1	04022	10001	DG6	LXA	LEVND,1	LEVEL NUMBER	LNK40634
02314	1	77776	1	00401	10011	TXI	++1,1,-2		GET INDEX OF F(1)	LNK40635
02315	0522	00	0	02076	10001	XEC	DG2		LDQ F(1)	LNK40637
02316	0522	00	0	02075	10001	XEC	DG1		GET INDEX OF /	LNK40638
				02317		QMPYC	NTAG2,6		FXO	LNK40639

* END OF X OR Y LINES

* PREARE (FFXO) FOR PRIMARY INPUT

BINARY CARD ID. NETSIM72

02323	0401	00	0	04037	10001	STO	FACT			LNK40640
02324	0534	00	1	04022	10001	LXA	LEVND,1		LEVEL NUMBER	LNK40641
02325	0500	00	1	30054	10000	CLA	DVAL-10,1		INDEX FOR OUTPUT OF	LNK40642
02326	0777	00	1	00000	10000	PAC	0,1		PREVIOUS LEVEL(PRIMARY)/P	LNK40643
02327	0774	00	4	00000	10000	NOPI	AXT	++0,4	NUMBER OF PRIMARY LINES	LNK40644
02330	7	00000	4	02604	10001	TXL	ELEND,4,0		TEST FOR ZERO PRIMARY LINES	LNK40645
02331	0474	00	4	02175	10001	SXA	DG3,5,4		SAVE Y FOR 2ND LOOP	LNK40646
02332	0522	00	0	02176	10001	XEC	DG3,6		GET INDEX OF NEXT I/P LINE	LNK40648
02333	0020	00	0	02125	10001	TRA	DG30-2		PROCESS DG FOR PRIMARY LINES	LNK40650

* END OF A G-SET. THIS ROUTINE WILL NORMALIZE

* THE G-WEIGHTS IN A G-SET.

BINARY CARD ID. NETSIM73

02334	4634	00	2	02403	10001	NORM	SXD	NORM1,2	SAVE INPUT OF NEXT I/P LINE	LNK40651
02335	4634	00	2	02466	10001	SXD	NORM4,2			LNK40652
02336	0634	00	4	02267	10001	SXA	DIFF1+2,4	SAVE	TRA	LNK40653
02337	0534	00	2	04030	10001	NM	LXA	GSET,2		LNK40654
02340	1	77770	2	00401	10011	TXI	++1,2,-8		GET INDEX OF CORREST	LNK40655
02341	0500	00	0	04012	10001	CLA	NTAG2		CONSTANT FOR SUM OF G S	LNK40656
02342	0402	00	0	04040	10001	SUB	GSUM		GET CONSTANT SUM	LNK40657
02343	4340	00	0	04021	10001	LAS	1010		COMPARE WITH COMPUTED SUM	LNK40658
02344	0020	00	0	00403	10011	TRA	++3		IF DIFFERENCE IS SMALL,	LNK40659
02345	0020	00	0	02470	10001	TRA	NORM5		GS ARE NORMALIZED	LNK40660

* COMPUTE SUM OF UNSATURATED G S

BINARY CARD ID. NETSIM74

02346	0620	00	0	02470	10001	TRA	NORM5			LNK40661
02347	0601	00	0	04032	10001	STO	DIFF		STORE DIFFERENCE	LNK40662
02350	0765	00	0	00000	10000	LRS	0		SAVE SIGN OF DIFFERENCE	LNK40663

* COMPUTE SUM OF UNSATURATED G S

BINARY CARD ID. NETSIM75

02351	0522	00	0	02176	10001	XEC	DG3,6		GET FIRST INPUT LINE OF G-SET	LNK40665
02352	0400	00	0	04040	10001	STZ	GSUM			LNK40666
02353	0600	00	0	02603	10001	STZ	NUGWTS		RESET G COUNTER OFR DG NORM OPERATION	LNK40667
02354	0500	00	0	04012	10001	UNSAT	CLA	NTAG2	CHECK G-WT FOR	LNK40668
02355	4320	00	0	04007	10001	ANA	MASK		SATURATION	LNK40669
02356	0340	00	0	30053	10000	CAS	GSAT			LNK40670
02357	0162	00	0	02402	10001	TOP	INCR		IF DIFF IS +, SATURATED	LNK40671
02360	0162	00	0	02402	10001	TOP	INCR			LNK40672
02361	4100	00	0	00403	10011	TXZ	++3		BELOW SAT. VALUE, UNSAT IF NON-ZERO	LNK40673
02362	0162	00	0	00402	10011	TOP	++2		G-WT ZERO, DIFF +, UNSATURATED	LNK40674
02363	0020	00	0	02402	10001	TRA	INCR		DIFF -, G-WT IS ZERO, SATURATED	LNK40675
02364	0601	00	0	03573	10001	STO	SGWT			LNK40676
02365	0500	00	0	02603	10001	CLA	NUGWTS		COUNT OF GS IN SUM	LNK40677
02366	0400	00	0	04271	10001	ADD	=1			LNK40678
02367	0601	00	0	02603	10001	STO	NUGWTS			LNK40679
02370	0441	00	0	04235	10001	LDI	INDICT			LNK40680

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BINARY CARD ID. NETSIM74

02371	0054	00	001000	10000	RFT	1000				
02372	0074	00	7	02522	10001	TSX	SGWT,7			
02373	0500	00	0	03573	10001	CLA	SGWT			
02401	0601	00	0	04040	10001	QATWO	GSUM,0		UNSATURATED--ADD TO SUM	LNK40675
02402	1	77777	2	00401	10011	STO	GSUM			LNK40676
02403	3	00000	2	02354	10001	INCR	TXI	++1,2,-1		LNK40677
02404	0500	00	0	04040	10001	NORM1	TXN	UNSAT,2,++0		LNK40678
02405	0601	00	0	03155	10001	CLA	GSUM			LNK40683
02406	0600	00	0	04040	10001	STO	GSUM1			
02407	0522	00	0	02176	10001	STZ	GSUM			
02410	0500	00	0	04012	10001	XEC	DG3,6		INDEX OF FIRST I/P LINE	LNK40685
02411	4320	00	0	04007	10001	NORM2	CLA	NTAG2		LNK40686
02412	0560	00	0	04032	10001	ANA	MASK			LNK40687
02413	0340	00	0	30053	10000	LDQ	DIFF		GET SIGN OF DIFFERENCE	LNK40688
						CAS	GSAT		COMPARE WITH SATURATION PT.	LNK40689

BINARY CARD ID. NETSIM75

02414	0162	00	0	02457	10001	TOP	NORM3		SATURATED	LNK40691
02415	0162	00	0	02457	10001	TOP	NORM3		SATURATED	LNK40692
02416	4100	00	0	00403	10011	TXZ	++3		UNSAT	LNK40693
02417	0162	00	0	00402	10011	TOP	++2		UNSAT	LNK40694
02420	0020	00	0	02457	10001	TRA	NORM3		SAT	LNK40695
02421	0560	00	0	04004	10001	LDQ	ZERO		UNSATURATED--ADJUST	
02422	0441	00	0	04235	10001	LDI	INDICT			
02423	0054	00	001000	10000	RFT	1000				
02424	0074	00	7	02533	10001	TSX	DLTSQ,7			
02425	0765	00	0	00006	10000	LRS	6		P(7)	
02426	0221	00	0	03155	10001	DVP	GSUM1		(H6) ALWAYS GREATER THAN GWT-B(10)	
02427	0760	00	0	00012	10000	DCT				
02430	0074	00	6	02576	10001	TSX	GNG,6			
02431	0200	00	0	04032	10001	MPY	DIFF		P(6)*B(10) = B(6)	
02432	0763	00	0	00006	10000	LLS	6		P(1) D-GWT	
02433	0401	00	0	04012	10001	ADM	NTAG2		ADD INCREMENT	LNK40698
02434	4140	00	0	00403	10011	TNO	++3		GWT IS REAL NOT MODULAR	
02435	4120	00	0	02445	10001	TMI	SETOZE			
02436	0500	00	0	30053	10000	CLA	GSAT			

BINARY CARD ID.	NETSINT6						
02437	4120 00 0 02445	10001	CONT	THI	SETOZE		
02440	4120 00 0 04007	10001		ANA	NASA		
02441	0340 00 0 00053	10000		CAS	GSAT	IS NEW C OVER SATURATED	LWK4 6
02442	0500 00 0 00053	10000		CLA	GSAT	YES-SET TO MAXIMUM	LWK40703
02443	0820 00 0 00403	10011		TRA	++3	EQUAL TO MAX	LWK40702
02444	0120 00 0 00402	10011		TPL	++2	TEST FOR ZERO	LWK40703
02445	4754 00 0 00000	10000	SETOZE	PRD	0.0		LWK40705
02446	0540 00 0 04012	10001		LOG	NTAG2	RECOVER ORIGINAL SIGN	LWK40706
02447	0763 00 0 00000	10000		LIS	0		LWK40707
02450	0131 00 0 00000	10000		REA	NTAG2	STORE NEW C VALUE	LWK40708
02451	4670 00 0 04012	10001		SLO			LWK40709
02452	0131 00 0 00000	10000		ACA			LWK40710
02453	0760 00 0 00003	10000		SSP			
02454	0441 00 0 04235	10001		LBI	INDICT		
02455	0054 00 0 001000	10000		RPT	1000		
02456	0074 00 7 02522	10001		TSX	SOGHT,7	ADD TO NEW SUM	LWK40711
	02457		NORM3	DATMO	CSUM,0		

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BINARY CARD ID.	NETSINT7						
02464	0401 00 0 04040	10001		STO	CSUM		LWK40712
02465	1 77777 2 00401	10011		TRI	++1.2,-1		LWK40713
02466	3 00000 2 02410	10001	NORM4	TRM	NORM2,...,000	TEST FOR END OF C-SET	LWK40714
02467	0820 00 0 02337	10001		TRA	RM	YES-TEST NORMALIZATION	LWK40715
02470	4534 00 2 02403	10001	NORM5	LXD	NORM1,2	STORE INDEX OF NEXT I/P LINE	LWK40716
02471	0634 00 2 02176	10001		SXA	DC3,0,2	WORK ON NEXT G-SET	LWK40717
02472	0500 00 0 04030	10001		CLA	GSET		LWK40718
02473	0402 00 0 04005	10001		SUB	ONE		LWK40719
02474	0601 00 0 04030	10001		STO	GSET		LWK40720
02475	4774 00 2 00001	10000		ANC	1,2		LWK40721
02476	0820 00 2 00000	10000	NTRA	TRA	++0,2	RETURN	LWK40722
02477	000000000000	00010	LINERR	CALL	.FIND,1,UNDB,1,LINERR		
02477	0074 00 4 11400	10011					
02500	1 00002 0 00404	10011					
02501	0 04733 0 02427	10100					
02502	0 00000 0 15000	10011					
02503	0 00000 0 02514	10001					

BINARY CARD ID.	NETSINT8						
02504	000000000000	00010		CALL	.FFIL.		
02504	0074 00 4 04400	10011					
02505	1 00000 0 00402	10011					
02506	0 04303 0 02430	10100					
02507	000000000000	00010		CALL	EXIT		
02507	0074 00 4 03400	10011					
02510	1 00000 0 00402	10011					
02511	0 04303 0 02431	10100					
02512	0120 00 0 02150	10001	SPLUS	TPL	DC3,1	TEST FOR END OF MINUS GSET	
02513	4120 00 0 02150	10001	SPLUS	TPL	DC3,1	TEST FOR END OF PLUS GSET	
02514	740211300124	10000	LINERR	BCI	6,(20MIDG LINE SIGN OR COUNT ERROR.)		
02515	274043314525	10000					
02516	806231274540	10000					
02517	445140234444	10000					
02520	454360255151	10000					
02521	445133344040	10000					
02522	0131 00 0 00000	10000	SOGHT	ACA	NTAG2	SQUARE GWEIGHT	
02523	0200 00 0 04012	10001		MPV	++1		
02524	0140 00 0 00401	10011		TOV			

BINARY CARD ID.	NETSINT9						
02525	0771 00 0 00004	10000		ARS	4	R(2)--B(6)	
02526	4425 00 0 04113	10001		STL	DFLOC		
02527	0760 00 0 00003	10000		SSP			
02530	0400 00 0 04040	10001		ADD	CSUM	R(6)	
02531	0140 00 0 03231	10001		TOV	OFLOW		
02532	0070 00 7 00004	10000		TRA	6,7		
02533	0540 00 0 04012	10001	DLTSQ	LDO	NTAG2	R(1)	
02534	0200 00 0 04012	10001		MPV	NTAG2	P(2) GWEIGHT SQUARED	
02535	0401 00 0 04227	10001		STO	AAA	SAVE OLD GWT SQUARED	
02536	0765 00 0 00004	10000		LRS	6		
02537	0221 00 0 03155	10001		DVP	CSUM1	R(6)/B(6) = B(2)	
02540	0760 00 0 00012	10000		DCI			
02541	0074 00 6 02576	10001		TSX	GMC,6		
02542	0200 00 0 04032	10001		MPV	DIFF	R(6)+R(2)	
02543	0763 00 0 00306	10000		LIS	6	R(2)	

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02544	0140 00 0 00401	10011	TOV	++1		
02545	0400 00 0 04227	10001	ADD	AAA	DELTA GWT SQ + OLD GWT SQ	
02546	4425 00 0 04113	10001	STL	DFLOC		
02547	0140 00 0 03231	10001	TOV	OFLOW		

BINARY CARD ID.	NETSINT0						
02550	4120 00 0 02445	10001		THI	SETOZE		
02551	0401 00 0 04227	10001		STO	AAA		
02552	0634 00 4 02574	10001		SXA	SAVFOR,4		
02553	000000000000	00010		CALL	BTDF(AAA,=2,AAA)	CHANGE TO FLOAT-POINT	
02553	0074 00 4 04000	10011					
02554	1 00003 0 00405	10011					
02555	0 04303 0 02466	10100					
02556	0 00000 0 04227	10001					
02557	0 00000 0 04301	10001					
02560	0 00000 0 04227	10001					
02561	000000000000	00010	CALL	SORT(AAAA)	GET SQUARE ROOT		
02561	0074 00 4 12000	10011					
02562	1 00001 0 00403	10011					
02563	0 04303 0 02467	10100					
02564	0 00000 0 04227	10001					
02565	0401 00 0 04227	10001	STO	AAA			
02566	000000000000	00010	CALL	BPOINT(AAA,=1)	CHANGE TO BINARY POINT		
02566	0074 00 4 02000	10011					
02567	1 00002 0 00404	10011					

BINARY CARD ID. NETSIM01

02570 0 04303 0 02471 10000
02571 0 00000 0 04227 10001
02572 0 00000 0 04271 10001
02573 0500 00 0 04227 10001
02574 0774 00 4 00000 10000
02575 0020 00 0 02440 10001
02576 4754 00 0 00300 10000
02577 0540 00 0 04302 10001
02600 0221 00 0 02403 10001
02601 0140 00 0 00401 10011
02602 0020 00 0 00001 10000
02603 0 00000 0 00000 10000

CLA AAA DELTA HEIGHT
ART 00,4
COM1 CONTINUE
PRD 0,0
LDB -0200000000000000 16111
BYP RIGHTS
TOV 00,1
TRA 1,0
PZE 0

* DC COMPUTATIONS FOR A COMPONENT ARE
* FINISHED. GET NEXT COMPONENT.

02604 0774 00 2 00000 10000
02605 0441 00 0 04235 10001
02606 0057 00 000200 10000
02607 0004 00 0 04235 10001
02610 0500 00 0 04012 10001
02611 0421 00 0 04012 10001
02612 0421 00 0 02131 10001

ELEND ART 0,2 GET ADDRESS OF NEXT
LDB INDIC1
RIR 200
STI INDIC1
CLA RTAG2 COMPONENT INITIALIZE
STA RTAG2 LOCATION USING IT
STA DC3

LINK40726
LINK40727
LINK40728

BINARY CARD ID. NETSIM02

02613 0421 00 0 02127 10001
02614 0421 00 0 02134 10001
02615 0421 00 0 02200 10001
02616 0534 00 1 04022 10001
02617 0500 00 0 04012 10011
02620 0441 00 0 04235 10001

STA DC30
STA DC303
STA DC4
LXA LEVND,4
CLA RTAG2 TEST FOR END OF LEVEL
LDB INDIC1

LINK40732
LINK40733
LINK40734

NETSIM
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02621 0054 00 00000 10000
02622 0020 00 0 03154 10001
02623 0120 00 0 02073 10001
02624 0534 00 4 03153 10001
02625 0 00001 4 02627 10001
02626 1 77764 1 02072 10001
02627 0055 00 00000 10000
02630 0404 00 0 04235 10001
02631 1 77764 1 00401 10011
02632 0500 00 0 03035 10001
02633 0100 00 0 02644 10001
02634 0500 00 0 02642 10001
02635 0421 00 0 02640 10001

RFT 4000 TEST FOR LAST LEVEL OPERATION
TRA MUST YES-GO TO LAST LEVEL CONTROL PROGRAM
TFL DC0
LXA LVCNTR,4
TNE LASLEV,4,1
TFL DC0-1,1,-10
LASLEV SIR 4000
STI INDIC1
TFL 001,1,-10
NEXTSTR CLA COMBIN INCREMENT LEVEL INFORMATION INDEX
TZE NEXTST TEST FOR COMBINATIONS OF STRINGS
CLA NEXTST NO COMBINATIONS OF STRINGS
STA NEXTST NEXT STRING NUMBER

LINK40735

BINARY CARD ID. NETSIM03

02635 0774 00 5 00000 10000
02637 0540 00 5 03004 10001
02640 4763 00 0 00000 10000
02641 4320 00 0 04005 10001
02642 0100 00 0 02650 10001
02643 0020 00 0 02652 10001
02644 0500 00 0 02642 10001
02645 0340 00 0 27050 10000
02646 0020 00 0 00402 10011
02647 0020 00 0 02652 10001
02650 0500 00 0 04014 10001
02651 0020 00 0 00402 10011
02652 0500 00 0 04013 10001
02653 0421 00 0 02076 10001
02654 0500 00 0 04026 10001
02655 0401 00 0 04114 10001
02656 0500 00 0 02642 10001
02657 0400 00 0 04271 10001
02660 0401 00 0 02642 10001

MIXED1 ART 00,5
LDB KEYCON,5
KEYST LCL 00
ANA ONE
TZE OLDF OFF-STRING NOT IN MASK
TRA NEWF CM-
NEXTST CLA STRIND 1ST/NEXT STRING
CAS KEY NO. OF CONTRIBUTING GROUP
TRA 00,2 NON-CONTRIBUTING GROUP FROM
NEWF FRIN CONTRIBUTING GROUP FPLS
TFL 00,2 NON-CONTRIBUTING STRING
CLA FPL CONTRIBUTING GROUP
STA DC2
CLA N NO. OF COMPONENTS IN GROUP
STO NSNCTR
CLA STRIND INCREMENT STRING NO. FOR NEXT TEXT
ADD -1
STO STRIND

BINARY CARD ID. NETSIM04

02661 0020 00 0 02073 10001
02662 0000000000000000 10000
02663 0600 00 0 03153 10001
02664 0774 00 1 00012 10000
02665 0020 00 0 02627 10001
02666 0535 00 5 03005 10001
02667 4634 00 5 02713 10001
02670 4634 00 5 02747 10001
02671 4634 00 5 02763 10001
02672 0774 00 5 00000 10000
02673 0774 00 6 00000 10000
02674 0774 00 7 00022 10000
02675 0540 00 5 03006 10001
02676 4754 00 0 00000 10000
02677 4763 00 0 00000 10000
02700 0100 00 0 02705 10001
02701 0500 00 6 04043 10001
02702 0400 00 0 04035 10001
02703 0401 00 0 04035 10001

TRA DGO START NORMALIZATION OF THIS GROUP
DEC 1
ONELEV STZ LVCNTR
ART 10,1
TRA LASLEV
COMB1 LAC COMBIN,5
SKD COMB4,5
SKD COMB6,5
SKD COMB9,5
ART 0,5
ART 0,6
COMB2 ART 10,7
LDB KEYCON,5
COMB3 PRD 0,0
LCL 1
TZE COMB31
CLA STRIND,6 ON-ADD TO KEYCON OUTPUT
ADD CANSUM 0161
STO CANSUM

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BINARY	CARD ID.	NETSIM85			
02704	0140 00 0	02765	10001	TOM	TOMANY
02705	1 77777 6	03401	10011	COMB31	FIX
02706	2 00001 7	02676	10000		COMB3,7,1
02707	0771 00 0	00022	10000		10
02710	06,1 00 5	03006	10001		KEYCOM,5
02711	0600 00 0	04035	10001		CRSUM
02712	1 77777 5	00401	10011		INDEX TO NEXT MASK
02713	3 00700 5	02674	10001	COMB4	TXM
02714	0600 00 0	04114	10001		MSMCTR
02715	0774 00 5	00000	10000		0,5
02716	0500 00 0	04114	10001	COMB5	CLA
02717	0460 00 0	04005	10001		MSMCTR
02720	0601 00 0	04114	10000		ONE
02721	0534 00 5	03006	10001		MSMCTR
02722	0600 00 0	04227	10000		KEYCOM,5
02723	4634 00 5	04227	10000		AAA
02724	000000000000	00010			AAA,5
02724	0074 00 4	04000	10011	CALL	BTDF(AAA,=6,AAA)
02725	1 00003 0	00405	10011		

BINARY	CARD ID.	NETSIM86			
02726	0 04303 0	02625	10,00		
02727	0 00000 0	04227	10001		
02730	0 00000 0	04300	10000		
02731	0 00000 0	04227	10001		
02732	000000000000	00010		CALL	.FWRD.(,UN06,,MISM1)
02732	0074 00 4	11403	10011		
02733	1 00002 0	00404	10011		
02734	0 04303 0	02626	10,00		
02735	0 00000 0	15000	10011		
02736	0 00000 0	03653	10001		
02737	0500 00 0	04114	10001	CLA	MSMCTR
02740	0074 00 4	15400	10011	TSX	.FCNV,4
02741	0500 00 0	04227	10000	CLA	AAA
02742	0074 00 4	15400	10011	TSX	.FCNV,4
02743	000000000000	00010		CALL	.FFIL.
02743	0074 00 4	04400	10011		
02744	1 00000 0	00402	10011		
02745	0 04303 0	02633	10,00		
02746	1 77777 1	00401	10011	TXI	0,1,1,-1

BINARY	CARD ID.	NETSIM87			
02747	3 00000 1	02716	10001	COMB6	TXM
02750	0535 00 4	27050	10000		COMB5,1,00
02751	1 00001 4	00401	10011		KEY,4
02752	0634 00 4	02636	10001		0,1,4,1
02753	0500 00 4	03006	10001		MIXED1,4
02754	0734 00 5	00000	10000		KEYCOM,4
02755	4634 00 5	02761	10001		0,5
02756	0774 00 4	00000	10000		COMB8,5
02757	0500 00 4	03006	10000	COMB7	CLA
02760	0734 00 6	00000	10000		0,6
02761	3 00000 6	02023	10000	COMB8	TXM
02762	1 77777 4	00401	10011		FORGET,6,00
02763	3 00000 4	02757	10001	COMB9	TXM

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02764	00,0 00 0	02002	10000	TRA	FIX
02765	000000000000	00010		TOMANY CALL	.FWRD.(,UN06,,TOM)
02765	0074 00 4	11400	10011		
02766	1 00002 0	00404	10011		
02767	0 04303 0	02633	10,00		
02770	0 00000 0	15000	10011		

BINARY	CARD ID.	NETSIM88			
02771	0 00000 0	02776	10000		
02772	000000000000	00010		CALL	.FFIL.
02772	0074 00 4	04400	10011		
02773	1 00000 0	00402	10011		
02774	0 04303 0	02634	10,00		
02775	0020 00 0	01401	10011		
02776	740303306063	10000		TRA	NETSIM+1
02777	46044214573	10000		BCI	7,(133M TO MANY STRINGS FOR COMB OPTION.)
03000	406263513145	10000			
03001	276260244651	10000			
03002	402346442260	10000			
03003	464763314645	10000			
03004	333460606060	10000			
03005	0 00000 0	00000	10000	COMBIN	PZE
03006	200000000144	00001	100		KEYCOM BSS
03152	200000000000	00001	1		DGVALU BSS
03153	200000000000	00001	1		LVNCTR BSS
03154	0 00000 0	00000	10000		ABICAD PZE
03155	200000000001	00000	1		GSUM1 BSS

BINARY	CARD ID.	NETSIM89			
03156	0100 00 0	03164	10001	NWSTT	TZE
03157	0500 00 0	04114	10000		CLA
03160	0402 00 0	04271	10000		SUB
03161	0601 00 0	04114	10000		STO
03162	4100 00 0	02073	10001		FMZ
03163	0020 00 0	02632	10000		TRA
03164	0057 00 0	00400	10000	EXNWT	RIR
03165	0604 00 0	04235	10000		STI
03166	000000000000	00010		GWPRT	CALL
03166	0074 00 4	03000	10011		
03167	1 00005 0	00407	10011		
03170	0 04303 0	02675	10,00		
03171	0 00000 0	00613	10001		
03172	0 00000 0	00614	10001		
03173	0 00000 0	00615	10001		
03174	0 00000 0	03005	10000		
03175	0 00000 0	03721	10001		
03176	0441 00 0	04235	10001	LDI	INDICT
03177	00 0 00 0	00207	10001	TRA	SCHEI

LNR40746

BINARY	CARD ID.	NETSIM90					
03200	000000000000	10000	C128	DEC	128		LNK40743
03201	0634 00 2 03224	10001	WRES	SXA	SAV2,2		LNK40747
03202	0500 00 0 03721	10001		CLA	OPSNUM		LNK4A
03203	0767 00 0 00022	10000		ALS	18		
03204	0622 00 0 30047	10000		STD	SKIP		
03205	000000000000	00010		CALL	WRTNET(SKIP,NETTAP,NETMAX)		LNK40748

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03205	0074 00 4 06000	10011					
03206	1 00003 0 00405	10011					
03207	0 04303 0 02705	10100					
03210	0 00000 0 30047	10000					
03211	0 00000 0 04225	10001					
03212	0 00000 0 04234	10001					
03213	000000000000	00010	CALL	.FPRN.(RBCD)'2423'			LNK40749
03213	0074 00 4 05000	10011					
03214	1 00001 0 00403	10011					
03215	0 04303 0 04567	10100					
03216	0 00000 0 03731	10001					
03217	000000000000	00010	CALL	.FFIL.			LNK40750
03217	0074 00 4 06400	10011					

BINARY	CARD ID.	NETSIM91					
03220	1 00000 0 00402	10011					
03221	0 04303 0 02707	10100					
03222	0760 00 0 00162	10000		SWT	2		
03223	0020 00 0 01401	10011		TRA	NETSIM+1		
03224	0774 00 2 00000	10011	SAV2	AXT	+-0,2		LNK40752
	1 00001 7 00001	11010					
03225	0441 00 0 04235	10001		LDI	INDICT		
03226	0020 00 0 00207	10001		TRA	SCHED		
03227	0500 00 0 04005	10001	SETSW	CLA	ONE	QATWG OVERFLOW SIGNAL	LNK40753
03230	0601 00 0 03260	10001		STD	QADTO		
03231	000000000000	00010	OFLOW	CALL	.FWRD.(UNO6.,(RBCD)'2435'		LNK40754
03231	0074 00 4 11400	10011					
03232	1 00002 0 00404	10011					
03233	0 04303 0 04603	10100					
03234	0 00000 0 15000	10011					
03235	0 00000 0 04252	10001					
03236	0500 00 0 04113	10001		CLA	OFLOC		LNK40755
03237	0074 00 4 15400	10011		TSX	.FCNV.,4		LNK40756
03240	000000000000	00010	CALL	.FFIL.'2435'			LNK40757

BINARY	CARD ID.	NETSIM92					
03240	0074 00 4 06400	10011					
03241	1 00000 0 00402	10011					
03242	0 04303 0 04603	10100					
03243	0500 00 0 03260	10001		CLA	QADTO		
03244	0100 00 0 00407	10011		TZE	++7		
03245	0441 00 0 04235	10001		LDI	INDICT		
03246	0054 00 0 000100	10000		RFT	100		
03247	0070 00 0 03255	10001		TRA	BIADJ	LEVEL SUM OVERFLOW-ADJUST BIAS	
03250	0054 00 0 000200	10000		RFT	200		
03251	0020 00 0 00401	10011		TRA	++1		
03252	0020 00 0 00401	10011		TRA	++1		
03253	0420 00 0 00401	10011		MPR	++1		
03254	0020 00 0 00401	10011		TRA	+-1		LNK40759
03255	0500 00 0 04015	10001	BIADJ	CLA	OSUM		
03256	0600 00 0 03260	10001		STZ	QADTO		
03257	0020 00 0 01432	10001		TRA	ITER		
03260	0 00000 0 00000	10000	QADTO	PZE	0		
03261	0634 00 4 03570	10001	PKINT	SXA	PRTRA,4		LNK40760
03262	0534 00 1 00772	10001		LXA	LEV1,1	LEVEL INDEX	LNK40763

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BINARY	CARD ID.	NETSIM93					
03263	0634 00 2 03566	10001		SXA	PR2,2		
03264	0634 00 1 03567	10001		SXA	PR2+1,1		
03265	000000000000	00010	CALL	.FWRB.(UNO3.)			LNK40764
03265	0074 00 4 11000	10011					
03266	1 00001 0 00403	10011					
03267	0 04303 0 02745	10100					
03270	0 00000 0 16400	10011					
03271	0500 00 0 04224	10001		CLA	NULEVS		LNK40765
03272	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40766
03273	0500 00 0 04023	10001		CLA	LEVCT		LNK40767
03274	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40768
03275	0500 00 0 04024	10001		CLA	COMCT		
03276	0074 00 4 17000	10011		TSX	.FBLT.,4		
03277	0500 00 0 04231	10001		CLA	XXXX		LNK40769
03300	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40770
03301	0500 00 0 04232	10001		CLA	YYYY		LNK40771
03302	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40772
03303	0500 00 1 30056	10000		CLA	MI,1		LNK40773
03304	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40774

BINARY CARD ID. NETSIM94

```

03305 0500 00 1 30055 10000
03306 0074 00 4 17000 10011
03307 0500 00 1 30063 10000
03310 0074 00 4 17000 10011
03311 0074 00 4 17400 10011
03312 0500 00 1 30066 10000
03313 0621 00 0 03326 10001
03314 0621 00 0 03424 10001
03315 000000000000 00010
03316 0074 00 4 11000 10011
03317 1 00001 0 00403 10011
03318 0 04303 0 02772 10100
03320 0 00000 0 16400 10011
03321 0535 00 2 00723 10001
03322 0754 00 2 00000 10000
03323 3400 00 0 04011 10001
03324 0621 00 0 03154 10001
03325 0737 00 2 00000 10000
03326 0500 00 2 00000 10000

```

```

CLA MS,1
TSX .FBLT.,4
CLA BIAS,1
TSX .FBLT.,4
TSX .FBLR.,4
CLA OVAL,1
STA BQP1
STA DQP1
CALL .FWRD.(UN03.)
RELATIVE OUTPUT ADDRESS FOR THIS LEVEL

LAC LEVIR,2
PKA 0,2
ADD INEXT
STA ABICAD
BQPLM PAC
BQP1 CLA 0,2
RELATIVE COMPONENT ADDRESS OF 1ST
COMPONENT FOR THIS LEVEL
ABSOLUTE ADDR OF 1ST COMP THIS LEVEL
ABSOLUTE ADDRESS OF COMPONENT
OUTPUT OF COMPONENT

```

LNK40775
LNK40776
LNK40777
LNK40778

BINARY CARD ID. NETSIM95

```

03327 0074 00 4 17000 10011
03330 0500 00 2 00000 10000
03331 4120 00 0 03334 10001
03332 0500 00 2 00000 10000
03333 0020 00 0 03325 10001
03334 0074 00 4 17400 10011
03335 0534 00 1 00772 10001
03336 0500 00 1 30055 10000
03337 0601 00 0 04227 10001
03340 000000000000 00010
03341 0074 00 4 04000 10011
03342 1 00003 0 00405 10011
03343 0 04303 0 03012 10100

```

```

TSX .FBLT.,4
CLA 0,2
THI BFIN
CLA 0,2
TRA BQPLM
TSX .FBLR.,4
LXA LEV1,1
CLA MS,1
STA AAA
CALL BTDF(AAA,=5,AAA)
1ST WORD OF NEXT COMPONENT
END LOGICAL BINARY RECORD(PDP TAPE)
1ST WORD OF 1ST COMP OF LEVEL IS MINUS
GET OUTPUT OF NEXT COMPONENT

```

LNK40779
LNK40780
LNK40781

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```

03343 0 00000 0 04227 10001
03344 0 00000 0 04272 10001
03345 0 00000 0 04227 10001
03346 0500 00 1 30063 10000
03347 0601 00 0 04230 10001
03350 000000000000 00010

```

```

CLA BIAS,1
STA BQB
CALL BTDF(BQB,=9,BQB)

```

LNK40782
LNK40783
LNK40784

BINARY CARD ID. NETSIM96

```

03350 0074 00 4 04000 10011
03351 1 00003 0 00405 10011
03352 0 04303 0 03015 10100
03353 0 00000 0 04230 10001
03354 0 00000 0 04277 10001
03355 0 00000 0 04230 10001
03356 000000000000 00010
03357 0074 00 4 11400 10011
03358 1 00002 0 00404 10011
03360 0 04303 0 03016 10100
03361 0 00000 0 15000 10011
03362 0 00000 0 03662 10001
03363 0500 00 0 00604 10001
03364 0074 00 4 15400 10011
03365 000000000000 00010
03366 0074 00 4 06400 10011
03367 1 00000 0 00402 10011
03368 0 04303 0 03021 10100
03370 0600 00 0 00604 10001

```

```

CALL .FWRD.(UN06.,BIASNO)
CLA BIASCH
TSX .FCNV.,4
CALL .FFIL.
STZ BIASCH
RESET BIAS CHANGE COUNTER FOR LEVEL

```

BINARY CARD ID. NETSIM97

```

03371 000000000000 00010
03372 0074 00 4 11400 10011
03373 1 00002 0 00404 10011
03374 0 04303 0 04624 10100
03375 0 00000 0 15000 10011
03376 0 00000 0 03745 10001
03377 0500 00 0 04023 10001
03378 0074 00 4 15400 10011
03400 0500 00 0 04227 10001
03401 0074 00 4 15400 10011
03402 0500 00 0 04230 10001
03403 0074 00 4 15400 10011
03404 000000000000 00010
03405 0074 00 4 06400 10011
03406 1 00000 0 00402 10011
03407 0 04303 0 04624 10100
03408 000000000000 00010
03409 0074 00 4 11400 10011
03410 1 00002 0 00404 10011

```

```

CALL .FWRD.(UN06.,PBCD1)'2452'
CLA LEVCT
TSX .FCNV.,4
CLA AAA
TSX .FCNV.,4
CLA BQB
TSX .FCNV.,4
CALL .FFIL.'2452'
CALL .FWRD.(UN06.,MULIN)

```

LNK40785

LNK40786
LNK40787
LNK40788
LNK40789
LNK40790
LNK40791
LNK40792

BINARY CARD ID. NETSIM98

```

03411 0 04303 0 03033 10100
03412 0 00000 0 15000 10011
03413 0 00000 0 03714 10001
03414 000000000000 00010
03415 0074 00 4 06400 10011
03416 1 00000 0 00402 10011

```

CALL .FFIL.

NETSIM
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03416 0 04303 0 03034 10.00
03417 0500 00 0 03154 10.00
03420 0774 00 4 00005 10.00
03421 0777 00 2 00000 10.00
03422 0500 00 2 00001 10.00
03423 0601 00 4 04122 10.00
03424 0500 00 2 00000 10.00
03425 0601 00 4 04127 10.00
03426 0500 00 2 00000 10.00
03427 4.20 00 0 03433 10.00
03430 0500 00 2 00000 10.00
03431 2 00001 4 03421 10.00
03432 0020 00 0 03437 10.00

CLA ABICAD
OPLP AAT 5.4
OQPLPN PAC 0.2
CLA 1.2
STO NAM5+5.4
OQPI CLA **2
STO OPT5+5.4
CLA 0.2
TMI QBEF
CLA 0.2
TIX OQPLPN+4.1
TRA QPRNT

OUTPUT OF COMPONENT

LNK40800
LNK40802
LNK40803
LNK40805
LNK40809
LNK40810
LNK40811
LNK40813

BINARY CARD ID. NETSIM99

03433 4 00001 4 03437 10.00
03434 0600 00 4 04122 10.00
03435 0600 00 4 04127 10.00
03436 0020 00 0 03433 10.00
03437 000000000000 00010
03437 0074 00 4 04000 10.00
03440 1 00003 0 00405 10.00
03441 0 04303 0 04670 10.00
03442 0 00000 0 04122 10.00
03443 0 00000 0 04271 10.00
03444 0 00000 0 04122 10.00
03445 000000000000 00010
03445 0074 00 4 04000 10.00
03446 1 00003 0 00405 10.00
03447 0 04303 0 04670 10.00
03450 0 00000 0 04123 10.00
03451 0 00000 0 04271 10.00
03452 0 00000 0 04123 10.00
03453 000000000000 00010

QBEF TMI QPRNT+4.1
STZ NAM5+5.4
STZ OPT5+5.4
TRA QBEF
CALL BTOF(OPT5+1,OPT5)'2488'

LNK40814
LNK40816
LNK40817
LNK40818
LNK40819

CALL BTOF(OPT5+1,OPT5+1)'2488'

LNK40820

CALL BTOF(OPT5+2,OPT5+2)'2488'

LNK40821

BINARY CARD ID. NETSIM00

03453 0074 00 4 04000 10.00
03454 1 00003 0 00405 10.00
03455 0 04303 0 04670 10.00
03456 0 00000 0 04124 10.00
03457 0 00000 0 04271 10.00
03460 0 00000 0 04124 10.00
03461 000000000000 00010
03461 0074 00 4 04000 10.00
03462 1 00003 0 00405 10.00
03463 0 04303 0 04670 10.00
03464 0 00000 0 04125 10.00
03465 0 00000 0 04271 10.00
03466 0 00000 0 04125 10.00
03467 000000000000 00010
03467 0074 00 4 04000 10.00
03470 1 00003 0 00405 10.00
03471 0 04303 0 04670 10.00
03472 0 00000 0 04124 10.00
03473 0 00000 0 04271 10.00

CALL BTOF(OPT5+3,OPT5+3)'2488'

LNK40822

CALL BTOF(OPT5+4,OPT5+4)'2488'

LNK40823

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BINARY CARD ID. NETSIM01

03474 0 00000 0 04126 10.00
03475 000000000000 00010
03475 0074 00 4 11400 10.00
03476 1 00002 0 00404 10.00
03477 0 04303 0 04670 10.00
03500 0 00000 0 15000 10.00
03501 0 00000 0 03756 10.00
03502 0500 00 0 04115 10.00
03503 4734 00 4 00000 10.00
03504 0634 00 4 04270 10.00
03505 4320 00 0 04243 10.00
03506 0074 00 4 15400 10.00
03507 0500 00 0 04270 10.00
03510 0074 00 4 15400 10.00
03511 0500 00 0 04122 10.00
03512 0074 00 4 15400 10.00
03513 0500 00 0 04116 10.00
03514 4734 00 4 00000 10.00
03515 0634 00 4 04270 10.00

CALL .FWRD(.UN06,,NHMT)'2488'

LNK40824

CLA NAM5
PDX 0.4
SXA LLEV,4
ANA 077
TSX .FCNV,4
CLA LLEV
TSX .FCNV,4
CLA OPT5
TSX .FCNV,4
CLA OPT5
TSX .FCNV,4
CLA NAM5+1
PDX 0.4
SXA LLEV,4

LNK40825
LNK40826
LNK40827
LNK40828
LNK40829
LNK40830
LNK40831
LNK40832
LNK40833
LNK40834
LNK40835
LNK40836

BINARY CARD ID. NETSIM02

03516 4320 00 0 04243 10.00
03517 0074 00 4 15400 10.00
03520 0500 00 0 04270 10.00
03521 0074 00 4 15400 10.00
03522 0500 00 0 04123 10.00
03523 0074 00 4 15400 10.00
03524 0500 00 0 04117 10.00
03525 4734 00 4 00000 10.00
03526 0634 00 4 04270 10.00
03527 4320 00 0 04243 10.00
03530 0074 00 4 15400 10.00
03531 0500 00 0 04270 10.00
03532 0074 00 4 15400 10.00
03533 0500 00 0 04124 10.00
03534 0074 00 4 15400 10.00
03535 0500 00 0 04120 10.00
03536 4734 00 4 00000 10.00
03537 0634 00 4 04270 10.00
03540 4320 00 0 04243 10.00

ANA 077
TSX .FCNV,4
CLA LLEV
TSX .FCNV,4
CLA OPT5+1
TSX .FCNV,4
CLA NAM5+2
PDX 0.4
SXA LLEV,4
ANA 077
TSX .FCNV,4
CLA LLEV
TSX .FCNV,4
CLA OPT5+2
TSX .FCNV,4
CLA NAM5+3
PDX 0.4
SXA LLEV,4
ANA 077

LNK40837
LNK40838
LNK40839
LNK40840
LNK40841
LNK40842
LNK40843
LNK40844
LNK40845
LNK40846
LNK40847
LNK40848
LNK40849
LNK40850
LNK40851
LNK40852
LNK40853
LNK40854
LNK40855

CARD	TYPE	DATE	TIME	TIME	TIME
03541	0074	00	0	15400	10011
03542	0300	00	0	04270	10001
03543	0074	00	4	15400	10011
03544	0500	00	0	04125	10001
03545	0074	00	4	15400	10011
03546	0500	00	0	04121	10001
03547	4734	00	4	00000	10000
03550	0634	00	4	04270	10001
03551	4320	00	0	04243	10001
03552	0074	00	4	15400	10011
03553	0500	00	0	04270	10001
03554	0074	00	4	15400	10011
03555	0500	00	0	04124	10001

TSX	.FCNV.,4
CLA	LLEV
TSX	.FCNV.,4
CLA	OPT5+3
TSX	.FCNV.,4
CLA	NAM5+4
PDX	0,4
SXA	LLEV,3
ANA	077
TSX	.FCNV.,4
CLA	LLEV
TSX	.FCNV.,4
CLA	OPT5+4

LNK40856
LNK40857
LNK40858
LNK40859
LNK40860
LNK40861
LNK40862
LNK40863
LNK40864
LNK40865
LNK40866
LNK40867

**NETS:IM
ASSEMBLED TEXT.**

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```

03556 0074 00 4 15400 10011
03557 000000000000 00010
03557 0074 00 4 06400 10011
03560 1 00000 0 00402 10011
03561 0 04303 0 04670 10100
03562 0500 60 2 00000 10000

```

TSX .FCMV.,4
CALL .FFIL.'2488'

CLA* 0,2

LNK40869
LNK40870

LNK40871

BINARY CARD ID. NETSINO4

03563	4120	00	0	03566	10000
03564	0500	00	2	00000	10000
03565	0020	00	2	03420	10001
03566	0774	00	2	00000	10000
03567	0275	00	1	00000	10000
03570	0774	00	4	00000	10000
03571	0020	00	4	00001	10000
03572	0	00000	0	00000	10000
03573	0	00000	0	03000	10000
03574	7401	3001	3460		10000
03575	7460	0304	3060		10000
03576	2545	5632	5516		10000
03577	4525	6664	04462		10000
03600	6031	456	34660		10000
03601	4223	7062	26026		10000
03602	4651	6043	32565		10000
03603	2542	007	73103		10000
03604	7361	6161	34660		10000
03605	7460	0600	73060		10000

```

          TM1      PR2
          CLA      0,2
          TRA      QPLP
PR2       AXT      00,2
          AXT      000,1
PRTRA     AXT      000,4
          TRA      1,4
BIGEST    PZE      0
SGMT      PZE      0
PSKP      BCI      1,(1M1)
BCDF      BCI      0,( 34M

```

END OF LEVEL PRINTOUT

LNK40872
LNK40873
LNK40874

LNK40877
LNK40878
LNK40879

BINARY CARD 10. NETSIM05

03A00	432565254360	100000
03A07	733103730205	100000
03B10	306045646523	100000
03B11	464565255127	100000
03B12	254563336045	100000
03B13	256660446260	100000
03B14	136073260104	100000
03B15	331034606060	100000
03B16	746003063060	100000
03B17	254563255160	100000
03B20	452566602231	100000
03B21	216260314563	100000
03B22	466042257062	100000
03B23	6024465116043	100000
03B24	256525436073	100000
03B25	310334606060	100000
03B26	746060073060	100000
03B27	432565254360	100000
03B30	733103730303	100000

BCDE1	BCI	8, I 36H
BCDB	BCI	9, I 7H

R NEW BIAS INTO KEYS FOR LEVEL ,13)

LNK40938

BINARY CARD ID# NETSIM06

03631	3060464646347	100000
03632	646360466463	100000
03633	604626605121	100000
03634	452725736045	100000
03635	256660223121	100000
03636	626013607360	100000

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03637	260104331064	10000
03640	056773010230	10000
03641	545640602346	10000
03642	456351464313	10000
03643	734602026034	10000
03644	740303306047	10000
03645	432545636031	10000
03646	236021614662	10000
03647	636027512521	10000
03650	632551806330	10000
03651	214560464525	10000
03652	333608060606	10000
03653	746060113060	10000

BCI 5, F14.8/5X, 12H=0 CONTROL=, 012)

BBIAS BCI 7, (33H PCENT IN AJUST GREATER THAN ONE.)

NISH1 BCI 6, (9H SUM NO. , 13.4H IS , F10.5)

LNK40941

BINARY CARD ID.	NETSIM07			
03654	62644404546	10000		
03655	336073310373	10000		
03656	043060316260	10000		
03657	737601003305	10000		
03660	346060606060	10000		
03661	0 00000 0 00000	10000	KEYS PZE	0
03662	74'067733104	10000	BIASND BCI	5,(8X,14,19H BIAS CHANGES //)
03663	730;03306022	10000		
03664	312162602330	10000		
03665	214527256260	10000		
03666	616134606060	10000		
03667	740430005454	10000	BCDC1 BCI	8,(4H0000,14,4X,6HINPUT ,A6,3X,24H IDENTIFICATION
03670	547331047304	10000		
03671	677306303145	10000		
03672	476463607321	10000		
03673	067303677302	10000		
03674	043060314524	10000		
03675	254563312631	10000		
03676	232163314645	10000		

BINARY CARD ID.	NETSIM08			
03677	602346515125	10000	BCI	2, CORRECT. 1
03700	236333003460	10000		
03701	740430005454	10000	BCDC1 BCI	8,(4H0000,14,4X,6HINPUT ,A6,3X,27H IDENTIFICATION
03702	547331047304	10000		
03703	677306303145	10000		
03704	476463607321	10000		
03705	067303677302	10000		
03706	073060312425	10000		
03707	456331263123	10000		
03710	216331464560	10000		
03711	603145234651	10000	BCI	3, INCORRECT. 1
03712	512523633360	10000		
03713	346060606060	10000		
03714	740767730574	10000	MDLIN BCI	5,(7X,5(16H COMP. OUTPUT,6X))
03715	010630602346	10000		
03716	444733606060	10000		
03717	504664634764	10000		
03720	637306673434	10000		
03721	0 00000 0 00000	10000	OPSNUM PZE	0

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BINARY CARD ID.	NETSIM09				
03722	740306300045	10000	GMS	BCI	7,(36H0ND UNSATURATED G-WTS. DG TOO LARGE.)
03723	466064456221	10000			
03724	636451216325	10000			
03725	246027406663	10000			
03726	623360242760	10000			
03727	634646604321	10000			
03730	512725336034	10000			
03731	740405306051	10000	RBCD	BCI	9,(45H RESTART WRITTEN, LIFI SS2 AND PRESS START TO,)
03732	256263215163	10000			
03733	606651316363	10000			
03734	254573604331	10000			
03735	266360626202	10000			
03736	602145246047	10000			
03737	512562626062	10000			
03740	632151636063	10000			
03741	467360606060	10000			
03742	010030602346	10000	BCI		3,10H CONTINUE.)
03743	456331456425	10000			
03744	336034606060	10000			

BINARY CARD ID.	NETSIM10				
03745	741067730630	10000	PBCD1	BCI	9,(8X,6H LEVEL,14,3X,6H MS = ,F14.8,3X,8H BIAS = ,F14.8/)
03746	604325652543	10000			
03747	733104730367	10000			
03750	730630604462	10000			
03751	601360732601	10000			
03752	043310730367	10000			
03753	73:030602231	10000			
03754	216260136073	10000			
03755	260104331061	10000			
03756	740567730574	10000	NMFMT	BCI	5,(5X,5(3X,13,'H.,12,4X,F10.7))
03757	036773310373	10000			
03760	013033733102	10000			
03761	730467732601	10000			
03762	00307343460	10000			
03763	740101306023	10000	PBCD4	BCI	9,(11H COMPONENT ,13,1H.,12,11H G-WEIGHTS)
03764	464447464525	10000			
03765	456360606073	10000			
03766	310373013033	10000			
03767	733102730101	10000			

BINARY CARD ID.	NETSIM11				
03770	306060274066	10000			
03771	253127306362	10000			
03772	606060606060	10000			
03773	346060606060	10000			
03774	200000000005	00001	WORD1	HSS	5
04001	0 00170 0 00000	10000	L120	PZE	0,0,120
04002	0 07640 0 00000	10000	L4M	PZE	0,0,4000
			* CONSTANTS FOR CALCULATION AND ADDRESSING		
04003	031463146314	10000	TENTH	DEC	.180
04004	0 00000 0 00000	10000	ZERO	PZE	
04005	0 00000 0 00000	10000	ONE	PZE	1
04006	0 00000 0 00000	10000	TWO	PZE	2
04007	377777000000	10000	MASK	OCT	377777000000 UNPACK G-WEIGHT MASK

LNK40951
LNK40952
LNK40953
LNK40954
LNK40955
LNK40956
LNK40957
LNK40958

NETSIM
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04010	0	30303	0	30303	10000	ZNEXT	PZE	NEXT,0,NEXT		LNK40960
04011	0	00000	2	30303	10000	INEXT	PZE	NEXT,2	INITIALIZATION FOR NTAG2	LNK40961
04012	0	00000	2	30303	10000	NTAG2	PZE	NEXT,2		LNK40962
04013	0	00000	0	30057	10000	FPL	PZE	FPLS	USED FOR CORRECT OUTPUT	LNK40963
04014	0	00000	0	30060	10000	FMIN	PZE	FMIN	INCORRECT OUTPUT	LNK40964
								* LOCATIONS	FOR VARIABLE STORAGE	LNK40965
04015	0	00000	0	00000	10000	TSUM			SUM OF OUTPUTS FOR A LEVEL	LNK40966
04016	0	00000	0	00000	10000	TSUM			TEMPORARY SUM	LNK40967
BINARY CARD ID. NETSIM12										
04017	0	00000	0	00000	10000	TRIAL				LNK40968
04020	0	00000	0	00000	10000	M			REDUCTION IN SIZE OF OUTPUT STRING	LNK40969
04021	000002000000				10000	1818	DEC	1816		LNK40970
04022	0	00000	0	00000	10000	LEVNO			INDEX ON LEVEL FOR DG CALCULATION	LNK40971
04023	0	00000	0	00000	10000	LEVCT				LNK40972
04024	0	00000	0	00000	10000	CONCT			NUMBER OF COMPONENTS PER LEVEL	LNK40973
04025	031463146314				10000	SCALE	DEC	.180		LNK40974
04026	0	00000	0	00000	10000	DIR			INDEX ON OUTPUT WORD	LNK40975
04027	000400000000				10000	RSCAL	DEC	1.89		
04030	0	00000	0	00000	10000	GSET			INDEX ON 4 G-SETS	LNK40977
04031	0	00000	0	00000	10000	STRIR			INDEX FOR OUTPUT STRING	LNK40978
04032	0	00000	0	00000	10000	DIFF			USED IN DG NORMALIZATION	LNK40979
04033	0	00000	0	00000	10000	QUOT				LNK40980
04034	0	00000	0	00000	10000	TENP				LNK40981
04035	0	00000	0	00000	10000	CMSUM			SUM FOR OUTPUT COMPARISON	LNK40982
04036	0	00000	0	00000	10000	OLDMS				LNK40983
04037	0	00000	0	00000	10000	FACT			STORAGE FOR (FX0)	LNK40984
04040	0	00000	0	00000	10000	GSUM			SUM OF G-WEIGHTS	LNK40985
04041	0	00000	0	00000	10000	N			NUMBER OF INPUTS	LNK40986
BINARY CARD ID. NETSIM13										
04042	0	00000	0	00000	10000	MEAN			MEAN OF INPUTS	LNK40987
04043	200000000050				00001	STRING	BSS	40	STORAGE FOR OUTPUT STRING	LNK40988
04113	0	00000	0	00000	10000	OFLDC	PZE			LNK40989
04114	200000000001				00001	MSHCTR	BSS	1		LNK40990
04115	200000000005				00001	NAMS	BSS	5		LNK40991
04122	200000000005				00001	OPTS	BSS	5		LNK40992
04127	200000000001				00001	XNUMM	BSS	1		LNK40993
04130	200000000074				00001	FFSPC	BSS	60		LNK40994
04224	200000000001				00001	MULEVS	BSS	1		LNK40995
04225	0	00000	0	00011	10000	NETTAP	PZE	9		LNK40996
04226	0	00000	0	00001	10000	AAAA	PZE	1		LNK40997
04227	0	00000	0	00001	10000	AAA	PZE	1		LNK40998
04230	0	00000	0	00001	10000	BBB	PZE	1		LNK40999
04231	0	00000	0	00001	10000	XXXX	PZE	1		LNK41000
04232	0	00000	0	00001	10000	YYYY	PZE	1		LNK41001
04233	200000000001				00001	FFSWT	BSS	1		LNK41002
04234	000000052760				10000	NETHAX	DEC	22000		LNK41003
04235	200000000001				00001	INDICT	BSS	1		LNK41004
04236	200000000001				00001	MAX	BSS	1		LNK41007
BINARY CARD ID. NETSIM14										
04237	200000000001				00001	NOCDS	BSS	1		LNK41008
04240	200000000001				00001	XITRY	BSS	1		LNK41010
04241	200000000001				00001	XCENT	BSS	1		LNK41011
04242	606060606060				10000	BLANK	BCI	1,		LNK41012

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04243	000000777777				10000	077	OCT	000000777777		LNK41013
04244	000000000001				10000	01	DEC	1		LNK41014
04245	000000000005				10000	05	DEC	5		LNK41015
04246	000000000005				10000	FIVE	DEC	5		
04247	740574010067				10000	CGFMT	BCI	3,(5(10X,F14.8))		LNK41016
04250	732601043310				10000					
04251	343460606060				10000					
04252	740307306021				10000	OFBCD	BCI	8,(37H ARITHMETIC OVERFLOW OCCURED AT LOC ,05)		LNK41017
04253	513163304425				10000					
04254	633123236046				10000					
04255	652551264346				10000					
04256	666046232364				10000					
04257	512524602163				10000					
04260	604346236073				10000					
04261	460534606060				10000					
BINARY CARD ID. NETSIM15										
04262	000000000000				00010	CALL		DUMMY1		LNK41018
04262	0074 00 4 07000				10011					
04263	1 00000 0 00402				10011					
04264	0 04303 0 03302				10100					
04265	000000000000				00010	CALL		DUMMY2		LNK41019
04265	0074 00 4 07400				10011					
04266	1 00000 0 00402				10011					
04267	0 04303 0 03303				10100					
04270	0 00000 0 00001				10000	LLEV	PZE	1		LNK41020
04271	000000000001				10000			LONG		
04272	000000000005				10000					
04273	377777777777				10000					
04274	010000000000				10000					
04275	377400000000				10000					
04276	377700000000				10000					
04277	000000000011				10000					
04300	000000000006				10000					
04301	000000000002				10000					
04302	200000000000				10000					

		* STORAGE FOR NETWORK INFORMATION		LNK41021
27046	MOCHT	EQU	11014	
27047	INUM	EQU	11015	
27050	KEY	EQU	11016	
27051	DATA	EQU	11017	
30047	SKIP	EQU	12327	
30050	DT	EQU	SKIP+1	TIME INCREMENT FOR DG CALCULATION LNK41027
30051	EPSLN	EQU	SKIP+2	CRITERION FOR CONVERGENCE LNK41029
30052	HSTEP	EQU	SKIP+3	INCREMENT FOR MS LNK41030
30053	GSAT	EQU	SKIP+4	SATURATION POINT FOR G-WEIGHT LNK41031
		* STORAGE FOR LEVEL INFORMATION		LNK41032
30054	LEVEL	EQU	SKIP+5	LNK41033
30055	MS	EQU	LEVEL+1	MULT FOR STATE INPUT LNK41034
30056	MI	EQU	LEVEL+2	MULT FOR PRIMARY INPUT LNK41035
30057	FPLS	EQU	LEVEL+3	FIX FOR STATE INPUTS LNK41036
30060	FMINS	EQU	LEVEL+4	FORGET FOR STATE I/P LNK41037
30061	FPLI	EQU	LEVEL+5	FIX FOR PRIMARY I/P LNK41038
30062	FMINI	EQU	LEVEL+6	FORGET FOR PRIMARY I/P LNK41039
30063	BIAS	EQU	LEVEL+7	BIAS TO ADJUST SUM OF OUTPUTS LNK41040
30064	ESUM	EQU	LEVEL+8	EXPECTED SUM OF OUTPUTS LNK41041

NETSIM
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30065	DELIP	EQU	LEVEL+9	LNK41042
30066	OVAL	EQU	LEVEL+10	LNK41043
		* STORAGE FOR COMPONENT INFORMATION		LNK41044
30303	NEXT	EQU	LEVEL+151	LNK41045
30304	SYMB	EQU	NEXT+1	SYMBOLIC NAME OF THIS CAMP LNK41046
30305	IVAL	EQU	NEXT+2	VALUE OF COMPUTED I LNK41047
30306	SVAL	EQU	NEXT+3	VALUE OF COMPUTED S LNK41048
30307	CPLS	EQU	NEXT+4	LNK41049
30310	CHINS	EQU	NEXT+5	LNK41050
30311	CPLI	EQU	NEXT+6	LNK41051
30312	CHINI	EQU	NEXT+7	LNK41052
30316	XANDY	EQU	NEXT+11	NO. STATE(ADDR),PRIMARY(DEER)I/P LNK41053
30303	LINS	EQU	NEXT	INPUT ADDR,SIGNED G-WEIGHT LNK41054
30452	EDP	EQU	NEXT+103	

BINARY CARD ID. NETSIM16
04303 000000000000 10000 *LDIR
04304 452563623144 10000
00000 01111 END

NETSIM
CONTROL DICTIONARY

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ACDICT NETSIM NETSIM17

BINARY CARD ID. NETSIM18

004305000000	PREFACE	START=0,LENGTH=2245,TYPE=7094,CMLPX=6
000004000006		
452563623144	NETSIM DECK	LOC=0,LENGTH=2245
004305000000		
452563623144	NETSIM REAL	LOC=0,LENGTH=0
000000000000		
452563623144	NETSIM REAL	LOC=0,LENGTH=0
000000000000		
224746314563	BPOINT VIRTUAL	SECT. 4,CALL
200000100000		
452563233027	NETCHG VIRTUAL	SECT. 5,CALL
200000100000		
274751636060	GPRT VIRTUAL	SECT. 6,CALL
200000100000		
256731636060	EXIT VIRTUAL	SECT. 7,CALL
200000100000		
2263446266060	BTDF VIRTUAL	SECT. 8,CALL
200000100000		
234644226060	COMB VIRTUAL	SECT. 9,CALL
200000100000		
332647514533	FPRN. VIRTUAL	SECT. 10,CALL
200000100000		

BINARY CARD ID. NETSIM19

512445256360	RDNET VIRTUAL	SECT. 11,CALL
200000100000		
465163452563	WRNET VIRTUAL	SECT. 12,CALL
200000100000		
332626314333	.FFIL. VIRTUAL	SECT. 13,CALL
200000100000		
246444447001	DUMMY1 VIRTUAL	SECT. 14,CALL
200000100000		
246444447002	DUMMY2 VIRTUAL	SECT. 15,CALL
200000100000		
332622626333	.FBST. VIRTUAL	SECT. 16,CALL
200000100000		
332625266333	.FEFT. VIRTUAL	SECT. 17,CALL
200000100000		
332666512233	.FWRB. VIRTUAL	SECT. 18,CALL
200000100000		
332666512433	.FWRD. VIRTUAL	SECT. 19,CALL
200000100000		
625051636060	SQRT VIRTUAL	SECT. 20,CALL
200000100000		
512521242323	READCC VIRTUAL	SECT. 21,CALL
200000100000		

BINARY CARD ID. NETSIM20
 634723426060 IPCK VIRTUAL SECT. 22,CALL
 200000100000
 627062434623 SYSLOC VIRTUAL SECT. 23
 200000000000

NETSIM
 CONTROL DICTIONARY

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334447254560 .OPEN VIRTUAL SECT. 24
 200000000000
 335125212460 .READ VIRTUAL SECT. 25
 200000000000
 334445000633 .UN06. VIRTUAL SECT. 26
 200000000000
 332623456533 .FCNV. VIRTUAL SECT. 27
 200000000000
 332343468225 .CLOSE VIRTUAL SECT. 28
 200000000000
 334445000333 .UN03. VIRTUAL SECT. 29
 200000000000
 332622436333 .FBLT. VIRTUAL SECT. 30
 200000000000
 332644435133 .FHLR. VIRTUAL SECT. 31
 200000000000

BDKEND NETSIM

NETSIM21

NO MESSAGES FOR THIS ASSEMBLY

NETSIM
 SYMBOL REFERENCE DATA

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REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	1010	04021	2343
	2NEXT	04010	1056,1675
	A1	00612	0,40
	A2	00615	41,271,272,300
	A3	00621	0,45
	A4	00623	0,0,47
	AAAA	04226	
	AAA	04227	1156,1162,1164,1174,1603,1622,1624,1634,1736,1742,1744,1754,2535,2545,2551,2556,2560,2564,2565,2571,2573,2722,2723,2727,2731,2741,3337,3343,3345,3400
	ABICAD	03154	3324,3417
	ACPT	01644	1240,1241
	ADEL	01703	1701
	ADOUTP	01216	
	AJ2	01602	1273,1346,1364,1376,1415,1431,1457,1477,1515,1523,1534,1542,1550,1555
	AJ3	01617	
	AJUST0	01252	
	AJUST1	01274	1251
	AJUST2	01311	1247
	AJUST4	01347	1316,1317
	AJUST	01242	1237
	AXT2	00771	727,1036,1054
	AXT3	01006	740,1011
	A(Z)	00605	263,273,301,426
	B2	00616	42,276
	B3	00622	0,46
	B4	00624	0,0,50
	BACK	00405	414
	BBB	04230	3347,3353,3355,3402
	BRIAS	03644	1562
	BCDA	03605	1171
	BCDB	03626	1431
	BCDC1	03667	2006
	BCDC	00645	223
	BCDD1	037	2027
	BCDD	0052	
	BCDE1	03616	
	BCDE	00664	465
	BCDF	03575	
	BCONTL	01571	1242,1267,1343,1353,1407,1417,1432,1456,1636,1646
	BECOM	00727	1123
	BEGIN	00704	236,242,256,311,327,344,365,375
	BFIN	03334	3331
	BIADJ	03255	3247
	BIASCH	00604	1607,1611,3363,3370
	BIASMO	03662	3362
	BIAS	30063	716,1051,1264,1265,1272,1344,1363,1374,1414,1422,1423,1430,1453,1461,1513,1521,1540,1546,1602,3307,3346
	BIGEST	03572	
	BITER	01574	1354,1355,1362
	BLANK	04242	
	BOF	00703	

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BQPI 03326 3313
 BQPLPN 03325 3333
 BSAT 01531 1514
 B(Z) 00606 265,267,277
 C10 30206 175
 C12H 33200
 C253 00603 144

C2	00617	43,261
C4	00625	0,51
CGFMT	04247	
CNGSIM	01570	1377
CMIOXY	00452	146,147
CINIT	00204	
CMINI	30312	
CMINS	30310	
CNP	01772	2001
CMSUM	04035	1717,1775,1777,2702,2703,2711
CNTR	00611	3173
COMB1	02666	1721
COMB2	02674	2713
COMB31	02705	2700
COMB3	02676	2706
COMB4	02713	2667
COMB5	02716	2747
COMB6	02747	2670
COMB7	02757	2763
COMB8	02761	2755
COMB9	02763	2671
COMAIN	03005	60,76,104,1720,2632,2666
CONCT1	01573	1464,1470,1507
CONCT	04024	725,732,734,1255,1463,1506,3275
COMT	02440	2575
CPL1	30311	
CPLS	30307	
C	04237	57
C(2)	00607	250,252,262,430
D2	00620	44,257,303
DATA	27051	
DB1	01575	1263,1322,1333,1340,1341,1347,1373,1410,1442,1420,1424,1427,1450,1452,1476,1512,1514,1520,1524,1526,1527,1535,1537,1543,1545,1552,1554
DG0	02073	2623,2626,2661,3162
DG1	02075	2074,2316
DG2	02076	2045,2315,2653
DG30	02127	2062,2121,2333,2613
DG31	02130	
DG3.1	02150	2130,2132,2512,2513
DG3.2	02167	2156
DG3.5	02175	2113,2271,2331
DG3.6	02176	2120,2301,2332,2351,2407,2471
DG3	02131	2060,2063,2146,2165,2166,2276,2302,2311,2612,2614
DG4	02200	2061,2263,2615
DG5	02307	2270
DG6	02313	2124
DGVALU	03152	2214,2222
DIFF18	01600	1252,1257,1303,1313,1327,1443
DIFF1	02265	2262,2336

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DIFF28	01601	1243,1274,1311,1312,1357,1433
DIFF2	02303	2264
DIFF	04032	2347,2412,2431,2542
DLTSQG	02533	2424
DOSUM	01576	1302,1326
DOUBSR	00376	253,270,323,371
DQP1	03424	3314
DQPLPN	03421	3431
DT	30050	116,2204
D(2)	00610	245,247,260,432
EDP	30452	
ELEND	02604	2312,2330
ELTS	01677	1716
ENDIP	00673	501,511
E0B2	00203	72,156,440
E0B	00202	
EOT	00474	73,157,441
EPSLN	30051	117,1116
ESUM	30064	130,1231,1234
EXNWST	03164	3156
F1	02045	2022
FACT	04037	2103,2212,2323
FCHG	00162	153,154
FFL1	00165	177
FFL2	00166	170,171,173
FFL3	00167	174,176
FFL4	00200	163
FFSPC	04130	52,166
FFSWT	04233	53,162
FILE	FILE2	1
FIVE	04246	70,72,156,417,440,475
FIX	02002	2764
FMINI	30062	127
FMIN	04014	2044,2650
FMIN5	30060	125,4014
FORGET	02023	1776,2761
FOUK	00205	152,172
FPL1	30061	126
FPL	04013	2020,2652
FPLS	30057	124,4013
GMS	03722	
GNG	02576	2430,2541
GSA7	30053	121,2234,2235,2356,2413,2436,2441,2442
GSET	04030	2105,2123,2161,2163,2307,2337,2472,2474
GSUM1	03155	2405,2426,2537
GSUM	04040	2177,2252,2254,2342,2352,2377,2401,2404,2406,2462,2464,2530
GWPC	00614	55,3172
GWPRT	03166	
MDLIN	03714	3413
HHOLD	01205	
HOLD	01224	
I1ST	01146	1016
I2ND	01147	1130
ICHANG	01064	1017,1131
ICOMM	00442	453,455,456
INCR	02402	2357,2360,2363

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INDICT	04235	37,75,200,207,325,373,710,713,744,1003,1176,1132,1230,1604,1606,1647,1672,1722,1773,2053,2055,2151,2160,2244,2257,2272,2274,2304,2370,2422,2454,2405,2607,2620,2630,3165,3176,3225,3245
INEXT	04011	2056,3323
INPUT	09420	233,255,310,326,343,362,374
INUM	27047	2013,2034
IPTRA	00445	420,440
IREAD	00462	73,157,441
ISM	00575	33,133
ISUM	01020	1035
ITER01	01500	1462
ITER0	01460	1441
ITER1	01442	
ITER2	01450	1437
ITER4	01355	1245,1435
ITER	01432	3257
IVAL	30305	1053,1146,1147
..0001	00003	12,13,14
..0002	00005	4,7
..0003	00007	0
K20	00424	1615
KEYCOM	03004	103,2637,2675,2710,2721,2753,2757
KEY	27050	1765,2645,2750
KEYS	03441	31,151,1614,2046
KEYTST	02440	2635
L1:0	04001	
L4M	04002	
LARGE	01554	1331
LASLEV	02627	2625,2665
LEV1	00772	730,1037,1141,1444,3262,3335
LEVCT	04023	707,1172,1632,1642,1643,3273,3376
LEVEL	30054	167,4303,4303,4303,4303,4303,4303,4303,4303,4303,4303,4303
LEVIR	00723	705,1145,1640,1673,3321
LEVNO	04022	2114,2313,2324,2616
LINE1	30303	753,756,1020,1023
LINERR	02477	2153,2155
LINRR	02514	2503
LLEV	04270	3504,3507,3515,3520,3526,3531,3537,3542,3550,3553
LVCNTR	03153	21,2072,2624,2663
M1A	00237	232
M1	00233	240
M1TRY	00612	234
M3A	00312	304
M3B	00322	316
M3C	00326	321
M3	00310	
M3(H)	00621	312,324
M3(N)	00622	317
M4A	00345	341
M4B	00360	354,367
M4C	00366	357
M4M	00623	
M4N	00624	
M4	00340	334
M4(H)	00623	345,372
M4(N)	00624	360

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M5A	00247	304
M5B	00255	275,302
M5C	00257	246,251
M5D	00276	266
M5E	00303	244
M5F	00301	264
MASK1	01225	2216
MASK	04007	2355,2411,2440
MAX	04236	
MEAN	04042	2174,2201
MESSAB	00536	524
MESSAG	00572	523,543,550,2041,2043
MESSD	00550	522,535
MESSG	00525	
MESSR	00553	531
MESS	00522	274,314,347
MESSW	00562	542
MGPR	00613	56,3171
MINPS	00442	305,307,313,340,342,346
NI	30056	123,1043,3303
NISH1	03653	1751,2736
NISH2	01762	1731
NIXED1	02636	2752
MODE1	00231	211
MODE2	00243	213
MODE3	00305	215
MODE4	00330	217
MARCOMP	01122	1102
M	04020	0,1700,2654
MSHCTR	04114	1727,1732,1734,1752,2655,2714,2716,2720,2737,3157,3161
MSHEND	01763	1724,1725
MSHLP	01732	1762
MS	30055	122,714,776,1151,1155,1613,3305,3336
MSTEP	30052	120,1152
NAMS	04115	3423,3434,3502,3513,3524,3535,3546
NAMES	00602	27,66
NCVCS	00643	315,320,322,361,366,370

MELT	01712	1702, 1714
NETMAX	04234	112, 3212
NETSIM	00000	1546, 2775, 3223
NETTAP	04225	111, 3211
NETAD	01701	1715
NETF	02652	2643, 2647
NETW	01072	1061, 1104, 1203
NETSV1	02644	2633
NETSTR	02632	3163
NETX	00303	131, 575, 1122, 1656, 1703, 1712, 2127, 2131, 2134, 2200, 3174, 4010, 4310, 4011, 4012, 4303, 4303, 4303, 4303, 4303, 4303, 4303, 4303, 4303, 4303
NETY	01754	3501
NETZ	02337	2467
NETD5	04237	0, 164
NETNT	27046	442, 444, 574
NETPP	00573	454, 717, 1401
NETPI	02327	2111
NETP1	02503	2334, 2470
NETP2	02410	2466

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NORM3	02457	2414, 2415, 2420
NORM4	02446	2335
NORM5	02470	2345, 2346
NORM	02334	2266, 2306
N	04041	2126, 2142, 2144, 2150, 2172, 2277
NTAG2	04012	2057, 2101, 2107, 2215, 2223, 2241, 2254, 2321, 2341, 2354, 2410, 2433, 2444, 2451, 2523, 2533, 2534, 2610, 2611, 2617
NTRA	02474	2265, 2305
NUGTS	02603	2353, 2365, 2367, 2600
NULEVS	04224	17, 132, 2066, 3271
NUNIN	00601	25, 69, 143
NWTT	03156	2622
OLEQ02	01543	1200
O1	04244	
O5	04245	
O77	04243	3505, 3516, 3527, 3540, 3551
OFBCD	04252	3235
OFF	01111	1110
OFLIP	00065	1022, 1142, 1144, 1651, 1654
OFLOC	04113	755, 763, 775, 1022, 1030, 1042, 1050, 1075, 1115, 1117, 1706, 2100, 2136, 2205, 2211, 2251, 2320, 2376, 2461, 2526, 2544, 3236
OFLOW	03231	760, 765, 1001, 1025, 1032, 1046, 1052, 2162, 2134, 2140, 2206, 2322, 2531, 2547
OFR	04026	
OLDF	02650	2642
OLDWS	04034	715, 1412
OLD	01103	1057, 1106
ONELEV	02663	2071
ONEREC	00574	452
ONE	04005	254, 331, 336, 412, 576, 706, 733, 1410, 1661, 1733, 2010, 2031, 2050, 2143, 2162, 2473, 2641, 2717, 3227
OP2	01204	
OPEND	02001	1764
OPSUM	03721	137, 2007, 2011, 2030, 2032, 3175, 3202
OPTS	04122	3425, 3435, 3442, 3444, 3450, 3452, 3456, 3460, 3464, 3466, 3472, 3474, 3511, 3522, 3533, 3544, 3555
OPUT	01054	1010, 1012
OSIZE	00310	
OSUM1	01572	1271, 1276, 1301, 1442, 1440, 1473, 1504
OSUM	04015	724, 1076, 1100, 1235, 1270, 1275, 1500, 3255
OUTBSR	00415	376
OVAL	30066	751, 1013, 1647, 1653, 1665, 2073, 2115, 2325, 33'2
PBCD1	03745	3375
PBCD4	03763	
PCENT0	01577	1320, 1332, 1334, 1645
PCENT	00625	356
PR2	03566	3263, 3264, 3563
PRINT	03261	1655
PRLIN	01011	745, 1005
PRTA	03570	3261
PSKP	03574	
QADTU	03260	3230, 3243, 3256
QBEF	03433	3427, 3436
QPLP	03420	3565
QPRNT	03437	3432, 3433
QUOT	04033	
RANGE	01567	1351
RBCD	03731	3216
READOP	00600	23, 64

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READ	00437	
READS	00640	235, 237, 241
RECSKP	00151	461
RESCY	00644	335, 337, 350, 363
RESZY	01416	1405
REVER1	01262	720, 1402
REVER2	01361	721, 1403
REVSIN	01177	1306, 1307, 1444, 1447, 1530
REVS	01524	1510, 1511
RSCAL	04027	
LCTR	BLCTR	
QUAL	UNQS	
LCTR		

SAT	01202	1071
SAV2	03224	3201
SAVEN	00714	1464
SAVFOR	02574	2552
SCAIE	04025	
SCMED	00207	201, 2091, 3177, 3226
SET2	01341	1323, 1372
SETDZE	02445	2435, 2437, 2550
SETSW	03227	1077, 1710, 2253, 2400, 2463
SGMT	03573	2364, 2373
SHFOTF	01207	
SMT	01206	
SKIP	30047	110, 135, 140, 141, 142, 204, 411, 413, 446, 450, 3704, 3210, 4303, 4303, 4303, 4303, 4303
SMALC2	01373	1367
SMALCH	01365	1336
SMALL	01717	1713
SMINUS	02513	2310
SNEXT	30303	134
SPLUS	02512	2164, 2275
SGGHT	02522	2246, 2372, 2456
SSUM	00753	770
STABL	01226	1136
STRING	04043	1677, 1707, 1711, 1735, 1767, 1770, 1772, 2701
STRINO	02462	2055, 2634, 2644, 2656, 2660
STRIR	04031	
SVAL	30306	1002, 1062
SYMB	30304	
TCYCL	00627	425
TEMP	04034	1233, 1236
TENTH	04003	1232
THREE	00577	
TOBIG1	01535	1345, 1375, 1541
TOBIG2	01551	1547
TOBIG	01516	1504, 1505
TOMANY	02765	2704
TOM	02776	2771
TOTAL	00641	330, 332, 352, 364
TRIAL	04017	722, 1104, 1124, 1140
TRI	01135	1125
TRYS	00031	1133
TSUM	04016	764, 764, 766, 773, 1015, 1031, 1033, 1040, 2125, 2137, 2141, 2167, 2300
TWO	04006	447
ULTIM	01665	1657

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UNSI	01151	1150
UNSI	01155	
UNSAT	02354	2403
UNSTA	01150	1137
WDOHF	00576	457
WORDI	03774	
WRES	03201	521
XITRY	04240	
XANDY	30316	735
XCENT	04241	
XNUMM	04127	
XXXX	04231	743, 3277
Y	04020	54
YYYY	04232	737, 3371
ZERO	04004	351, 1105, 2421
ZITER	0722	1201, 1616, 1643
ZZZ	00417	410

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BPOINT	4	2566
BTOF	8	1157, 1617, 1737, 2553, 2724, 3340, 3350, 3437, 3445, 3453, 3461, 3467
COMB	9	100
DUMMY1	14	4262
DUMMY2	15	4265
EXIT	7	2507
GPRT	6	3166
.CLOSE	28	474
.FBLT.	30	3272, 3274, 3276, 3330, 3302, 3304, 3306, 3310, 3327
.FBLT.	16	405
.FLNV.	27	427, 431, 433, 544, 1173, 1175, 1633, 1635, 1637, 1753, 1755, 2012, 2014, 2033, 2035, 2740, 2742, 3237, 3364, 3377, 3401, 3403, 3506, 3510, 3512, 3517, 3521, 3523, 3530, 3532, 3534, 3541, 3543, 3545, 3552, 3554, 3556
.FEFT.	17	515
.FFIL.	13	224, 434, 466, 502, 512, 532, 545, 1176, 1563, 1640, 1756, 2015, 2036, 2504, 2743, 2772, 3217, 3240, 3365, 3404, 3414, 3557
.FPRN.	10	220, 462, 476, 3213
.FWLR.	31	3311, 3334
.FWRR.	18	3265, 3315
.FWRD.	19	421, 505, 525, 536, 1165, 1556, 1625, 1745, 2002, 2023, 2477, 2732, 2765, 3231, 3356, 3371, 3407, 3475
.OPEN	24	67
.READ	25	71, 155, 437
.RINO.	29	520, 3270, 3320
.UNO6.	26	424, 510, 530, 541, 1170, 1561, 1630, 1750, 2005, 2026, 2502, 2735, 2770, 3234, 3361, 3374, 3422, 3500
NETCHG	5	113
RDNET	11	105
REAUCC	21	34
SCRT	20	2561
SYSLUC	23	10
TPCK	22	61
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SUBROUTINE GPRT(MGPR,GWPC,CNTR,NEXT,OPSNUM)
DIMENSION IGWT(5),NEXT(1)
INTEGER GWPC,CNTR,COMMON,OPSNUM
GO TO (20,20,30,30),MGPR
10 IF(GWPC.EQ.0)GO TO 7
30 CNTR=CNTR+1
IF(CNTR.NE.GWPC)GO TO 7
20 I=1
WRITE(6,5000)OPSNUM
2 ISYM=NEXT(I+1)
COMMON=ISYM-262144
LEVN=ISYM-262144+COMMON
WRITE(6,1000)LEVN,COMMON
IXANDY=NEXT(I+1)
IX=IXANDY/262144
IY=IXANDY-262144+IX
NLINES=IX+IY+1-1
J=0
4 DO 11 L=1,NLINES
J=J+1
LINE=NEXT(L+1)
IGWT(J)=LINE/262144
IGWT(J)=262144+IGWT(J)
CALL BTDF(IGWT(J),1,IGWT(J))
IF(L.EQ.NLINES)J=5
IF(J.NE.5)GO TO 11
5 WRITE(6,1001)IGWT
DO 13 K=1,5
13 IGWT(K)=0
J=0
11 CONTINUE
I=NLINES+13
CNTR=0
IF(NEXT(I).EQ.0)GO TO 1
GO TO 2
1 IF(MGPR.EQ.1)GWPC=0
IF(MGPR.EQ.4)MGPR=2
7 RETURN
1000 FORMAT(1H0,7X,11H COMPONENT ,13,1H.,12,11H G-WEIGHTS//)
1001 FORMAT(110X,F14.8)
5000 FORMAT(1H1,36H NEW G-WEIGHTS FROM RESULT OF INPUT ,14,///)
END

```

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810FTC RDNET1 M94/2,XR7

RDNET1 - EFN SOURCE STATEMENT - IFN(S) -

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```

SUBROUTINE RDNET(SKIP,NETTAP,NETMAX)
DATA ENDNET/6HENDNET/
C
C
DIMENSION SKIP(NETMAX)
1 J=1
K=200
10 READ(NETTAP) (SKIP(I),I=J,K)
IF(SKIP(J).EQ.ENDNET)GO TO 50
J=J+200
K=K+200
IF(K.GT.NETMAX)GO TO 20
GO TO 10
20 PRINT 40
PAUSE
GO TO 1
40 FORMAT(45H *** NETWORK EXCEEDS SIZE OF NETWORK STORAGE. )
50 REWIND NETTAP
RETURN
END

```

LNK41057
LNK41058
LNK41059
LNK41060
LNK41062
LNK41063
LNK41064
LNK41065
LNK41066
LNK41067
LNK41068
LNK41069
LNK41070
LNK41071
LNK41072
LNK41073
LNK41074
LNK41076

3

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810FTC WRTNE1 M94/2,XR7


```

SUBROUTINE WRTNET(SKIP,NETAP,NETMAX)
DATA ENDNET/6HENDNET/
DIMENSION SKIP(NETMAX)
NETAP=12
1 REWIND NETAP
J=1
K=200
10 WRITE(NETAP) (SKIP(I),I=J,K)
IF(SKIP(J).EQ.ENDNET) GO TO 50
J=J+200
K=K+200
IF(K.GT. NETMAX) GO TO 20
GO TO 10
20 PRINT 40
PAUSE
END FILE NETAP
50 RETURN
40 FORMAT(27H ***NETWORK END NOT PRESENT )
END

```

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LNK41078
LNK41079
LNK41080
LNK41083 2
LNK41084
LNK41085
LNK41086 4
LNK41087
LNK41088
LNK41089
LNK41090
LNK41091
LNK41092 21
LNK41093
LNK41094 22
LNK41096
LNK41097

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818FTC TPCK1 M94/2,XR7

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SUBROUTINE TPCK(READOP,NUMIN,NAMES)
INTEGER READOP
READ(4)IRDOP,NUMIN,NAMES
IF(IRDOP.NE.READOP.OR.NUMIN.NE.NUMIN.OR.NAMES.NE.NAMES)GOTO1
WRITE(6,1000)READOP,NUMIN,NAMES
RETURN
1 WRITE(6,1001)IRDOP,READOP,NUMIN,NUMIN,NAMES,NAMES
STOP
1001 FORMAT(41H TAPE DOES NOT AGREE WITH CONTROL VALUES.//
17X,6HIRDOP=,I4,3X,7HREADOP=,I4,6X,7HNUMIN=,I4,3X,6HNUMIN=,I4/
26X,7HNAMES=,I4,3X,6HNAMES=,I4)
1000 FORMAT(17X,7HREADOP=,I4,7X,6HNUMIN, I4/7X,6HNAMES=,I4)
END

```

```

1
7
8

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SUBROUTINE READC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
1FFSWT,Y,GWPC,MUPR,C,COMBIN)
DIMENSION FFSPC(60)
INTEGER A1,A2,B2,C2,D2,A3,B3,A4,B4,GWPC,CNTR,Y,C
INTEGER FFSWT,COMBIN
REAL M3N,M3H
DATA MORS,N/4H SUM,3HINP/
INDICT=0
C
C .....READ CONTROL CARDS
C
WRITE(6,5001)
READ(5,7001)IX,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,MS,Y,C,GWPC,MUPR
1,ISQWT,COMBIN
IF(1N.NE.N1GO TO 7
C
IF(1SQWT.NE.C)INDICT=INDICT+512
CALL BPOINT(C4,0)
IF(IX.GT.4.OR.IX.LT.1) GO TO 30
IF(IX=2) 30,4C,1C
20 IF(IX=3) 20,2C,50
20 INDICT=INDICT+16
GO TO 60
30 INDICT=INDICT+4
GO TO 60
40 INDICT=INDICT+8
GO TO 60
50 INDICT=INDICT+32
60 IF(MORS.EQ.MS) INDICT=INDICT+256
FFSWT=0
IF(C.EQ.C)GO TO 80
NNOCDS=4+C
READ(5,7100)(FFSPC(K),K=1,NNOCDS)
GO TO 1=1, NNOCDS
70 CALL BPOINT(FFSPC(1),0)
FFSWT=1
80 WRITE(6,444)INDICT,IX,MS,Y,C,GWPC,MUPR,A1,A2,B2,C2,D2,A3,B3,A4,
1A4,C4
RETURN

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LNK41100
LNK41101
LNK41102
LNK41104
LNK41105
LNK41106
LNK41107
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LNK41113
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LNK41115
LNK41116
LNK41117
LNK41118
LNK41119
LNK41120
LNK41121
LNK41122
LNK41123
LNK41124
LNK41127
LNK41128
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LNK41132
LNK41133
LNK41134
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LNK41137

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C
C
90 WRITE(5,1001)
STOP
7 WRITE(6,333)
STOP
444 FORMAT(1X,7HINQUIRY=,012/12H INPUT MODE=,3HIMP,11/11H TEST MODE=,
1A4/20H CONSECUTIVE OUTPUTS/STRING=,13/18H G-MT PRINT COUNT=,13/
217H G-MT PRINT MODE=,11/4H A1=,11/4H A2=,13,2X,3HB2=,13,3MC=,13,
32X,3HB2=,13/4H A3=,13,2X,3HB3=,13/4H A4=,13,2X,3HB4=,13,2X,3MC4=,
4F9,6)
333 FORMAT(33H READCC CONTROL CARD NO PRESENT./1H1)
5001 FORMAT(2CHINREADY CONTROL CARD )
7100 FORMAT(4F9,5)
7090 FORMAT(A3,11,913,F6.6,A4,313,211,13)
1001 FORMAT(47H1*****IMPROPER INPUT MODE, CORRECT AND RESTART.)

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LNK41138
LNK41139

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LNK41108
LNK41143

LNK41144

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END

LNK41145

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818FTC COMBR

COMBR - EFN SOURCE STATEMENT - (FNIS) -

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SUBROUTINE COMB(KEYCOM,COMBIN)
INTEGER COMBIN
DIMENSION KEYCOM(1),J(18)
DATA KAY/1HK/
DO 1 M=1,COMBIN
1 KEYCOM(M)=0
DO 3 I=1,COMBIN
READ(5,1000)IK,(J(I),N=1,18)
IF(IK.NE.KAY)GO TO 7
DO 2 M=1,18
2 KEYCOM(I)=2*KEYCOM(I)+J(M)
KEYCOM(I)=KEYCOM(I)+262144
3 WRITE(6,1001)I,KEYCOM(I),(J(N),N=1,18)
RETURN
7 STOP
1000 FORMAT(A1,9X,18I1)
1001 FORMAT(13HKEYCOM MASK ,12,1X,1H=,1X,012,1X,77HOC ,THEREFORE,COUN
1TING FROM LEFT TO RIGHT,THE BIT POSITION INDICATES WHETHER/16X,1H=
2,18I1,
2 1H),4X,7CHTHE RESPECTIVE STRING OUTPUT WILL (1) OR WILL NOT (
30) BE ADDED TO THIS/40X,24HKEYCOM STRING SUMMATION.)
END

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SUBROUTINE NETCHG(DT,EPSLN,MSTEP,GSAT,MS,MI,FPLS,FMINS,FPLI,FMINI,
IESUM,NEXT,NULEV,ISM,SNEXT)
DIMENSION NEXT(1),MS(1),MI(1),FPLS(1),FMI(5),FPLI(1),FMINI(1),
IESUM(1),SNEXT(1)
LOGICAL G
GOTO(10,10,10,20,20,30,40),ISM
10 READ(5,1001)DDT,EPSLN,MSTEP,GSAT
CALL BTDF(DT,0,DDT)
CALL BTDF(EPSLN,1,WEPSLN)
CALL BTDF(MSTEP,5,WMSTEP)
CALL BTDF(GSAT,1,WGSAT)
WRITE(6,1002)DDT,DDT,EPSLN,WEPSLN,MSTEP,WMSTEP,GSAT,WGSAT
CALL BPPOINT(DDT,0)
CALL BPPOINT(EPSLN,1)
CALL BPPOINT(MSTEP,5)
CALL BPPOINT(GSAT,1)
IF(DDT.EQ.DT.AND.EEPSLN.EQ.EPSLN.AND.MMSTEP.EQ.MSTEP.AND.GGSAT
1.EQ.GSAT)GOTO 12
** STORE NEW NETWORK PARAMETERS.
DT=DDT
EPSLN=EEPSLN
MSTEP=MMSTEP
GSAT=GGSAT
** INITIALIZE FOR COMPONENT ADDRESSES -- 1ST COMPONENT.
NEXT(1) IS THE FIRST WORD OF EACH COMPONENT AND THE VALUE
OF NEXT(1) IS THE ADDRESS OF THE NEXT COMPONENT,ETC.
J=0
L=1
MM=MM-NEXT(1)-12483
GOTO(20,40,30),ISM
12 WRITE(6,1003)
STOP
20 K=0

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DO 39 I=1,NLEV
C   ** READ LEVEL CARD FOR NEW LEVEL PARAMETERS. ONE CARD PER LEVEL.
C   LEVEL ARRAY IS TEN VARIABLES PER LEVEL AND UP TO 15 LEVELS.
READ(5,2004)LEVI,MMS,PMI,FFPLS,FFHNS,FFPLI,FFHNI,EESUM
WRITE(6,1005)LEVI,MMS,PMI,FFPLS,FFHNS,FFPLI,FFHNI,EESUM
CALL BPOINT(MMS,5)
CALL BPOINT(PMI,5)
CALL BPOINT(FFPLS,0)
CALL BPOINT(FFHNS,0)
CALL BPOINT(FFPLI,0)
CALL BPOINT(FFHNI,0)
CALL BPOINT(EESUM,6)
MS(K+1)=MMS
MI(K+1)=PMI
FPLS(K+1)=FFPLS
FHNS(K+1)=FFHNS
FPLI(K+1)=FFPLI
FHNI(K+1)=FFHNI
EESUM(K+1)=EESUM
C   ** CHANGE LEVEL VALUES. GO TO END OF THE DO LOOP.
IF(1SM.EQ.5)GO TO 39

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C   ** LEAD LEVEL COMPONENT CARD FOR COMPUTING C-VALUE.
30 READ(5,1006)ISX,ISI,IPX,IP1,GSX,GS1,CPX,GPI
SX=ISX
SX=GSX
SI=ISI
CS=SI+GS1
PX=IPX
CPX=PX+GPI
PI=IP1
CPI=PI+GPI
CALL BTDF(GSAT,CGSAT)
IF((SX+CGSAT).GE.CSX.AND.(SI+CGSAT).GE.CS1.AND.(PX+CGSAT).GE.CPX
1.AND.(PI+CGSAT).GE.CPI)GO TO 31
WRITE(6,1007)
STOP
31 CALL BPOINT(CSX,6)
CALL BPOINT(CS1,6)
CALL BPOINT(CPX,6)
CALL BPOINT(CPI,6)
C   ** TEST FOR CHANGE IN C-VALUES. NO CHANGE IS A LOGICAL TRUTH.
G=.FALSE.
IF(CSX.EQ.SNEXT(L+4).AND.CS1.EQ.SNEXT(L+5).AND.CPX.EQ.SNEXT(L+6)
1.AND.CPI.EQ.SNEXT(L+7)) G=.TRUE.
C   ** COMPARE MODE TO LOGICAL C-VALUE RESULT. FALSE IS ERROR IN
C   C-VALUE OR MODE.
IF((1SM.EQ.3).AND.G.OR.(1SM.NE.3).AND..NOT.G)GO TO 41
C   ** STORE NEW C-VALUES IN EACH COMPONENT OF THIS LEVEL.
32 SNEXT(L+4)=CSX
SNEXT(L+5)=CS1
SNEXT(L+6)=CPX
SNEXT(L+7)=CPI
33 L=L+H
IF(NEXT(L).LE.0)GO TO 34
C   ** A MINUS INDICATES A NEW LEVEL.
IF(1SM.NE.3)GO TO 32
C   ** MODES OTHER THAN 3 REQUIRE STORING OF NEW C-VALUES IN EACH
C   COMPONENT OF THIS LEVEL. MODE 3 ONLY TESTED G-WEIGHT CONSISTENCY
C   BECAUSE OF CHANGE IN GSAT.
GO TO 33
C   ** DETERMINE NEW INDEX INCREMENT FOR DISTANCE BETWEEN COMPONENTS
C   ON THE NEW LEVEL.
34 M=L-H
M=NEXT(L)-NEXT(M)
IF(1SM.EQ.1.OR.1SM.EQ.4)GO TO 39
J=J+1
IF(J.EQ.NLEV)GO TO 40
C   ** READ THE NEXT COMPONENT CARD. LEVEL CARDS ARE NOT REQUIRED.
GO TO 30
C   ** READ THE NEXT LEVEL CARD.
39 K=K+10
40 RETURN
41 WRITE(6,1008)
STOP
1001 FORMAT(F9.9,F9.9,F9.6,F9.7)
1003 FORMAT(81H THE NETWORK PARAMETERS WERE NOT CHANGED. CHECK RESTART
1MODE OR RESTART(A) CARD. )

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1002 FORMAT(2H1,46X,2H CHANGE IN NETWORK PARAMETERS/1H0,51X,3HNEW,11X,
13HOLD/1H0,40X,2HDT,10X,F9.9,4X,F9.9/40X,5HPSLN,7X,F9.9,5X,F9.9/
240X,5HSTEP,4X,F9.6,5X,F9.6/40X,4HGSAT,6X,F9.7,5X,F9.7)
1004 FORMAT(A6,2F9.7,4F9.9,F9.5)
1005 FORMAT(4X,A6/1X,4HMS=F9.7,2X,4HMI=F9.7,2X,6HFFPLS=F9.9, 7HFF
1NS=F9.9,2X,6HFFPLI=F9.9,2X,7HFFHNI=F9.9,2X,6HEESUM=F9.9/1H0)
1006 FORMAT(413,4F4.3)
1007 FORMAT(84H GWEIGHTS ARE INCONSISTENT FOR RESTART. CHECK RESTART(C)
1 CARDS OR (A) CARD FOR GSAT.)
1008 FORMAT(49H INCORRECT RESTART MODE OR BAD RESTART(C) CARDS. )
END

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NETCH

STORAGE MAP

SUBROUTINE NETCHG
UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
G	00001	L	DDT	00002	R	EEPSLN	00003	R
MMSTEP	00004	I	GGSAT	00005	R	NOT	00006	R
WEPSLN	00007	R	MMSTEP	00010	R	MGSAT	00011	R
J	00012	I	L	00013	I	M	00014	I
K	00015	I	I	00016	I	LEVI	00017	I
MMS	00020	I	MMI	00021	I	FFPLS	00022	R
FFMINS	00023	R	FFPLI	00024	R	FFMINI	00025	R
EESUP	00026	R	ISX	00027	I	ISI	00030	I
IPX	00031	I	IPI	00032	I	GSX	00033	R
GSX	00034	R	GPM	00035	R	GPI	00036	R
SX	00037	R	CSX	00040	R	SI	00041	R
CSI	00042	R	PI	00043	R	CPX	00044	R
PI	00045	R	CPI	00046	R			

ENTRY POINTS

NETCHG SECTION 2

SUBROUTINES CALLED

SYMBOL	SECTION
.FRDD.	SECTION 3
BPOINT	SECTION 6
.UN05.	SECTION 9
.UN06.	SECTION 12
E-2	SECTION 15
CC-1	SECTION 18
CC-4	SECTION 21

SYMBOL	SECTION
BTDF	SECTION 4
.EXIT.	SECTION 7
.FRTH.	SECTION 10
.FFIL.	SECTION 13
E-3	SECTION 16
CC-2	SECTION 19
SYSLOC	SECTION 22

SYMBOL	SECTION
.FWRD.	SECTION 5
.FXEP.	SECTION 8
.FCNV.	SECTION 11
E-1	SECTION 14
E-4	SECTION 17
CC-3	SECTION 20

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
10	3A	00246	20	30A	00444	30	63A	00641
40	124A	01177	1001	FORMAT	00065	1002	FORMAT	00110
12	29A	00432	1003	FORMAT	00071	39	120A	01172
1004	FORMAT	00147	1005	FORMAT	00153	1006	FORMAT	00200
31	73A	01007	1007	FORMAT	00202	41	125A	01200
32	92A	01076	33	97A	01117	34	107A	01137
1008	FORMAT	00221						

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01345.

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SENTRY MAIN

LOADING HAS BEEN SUPPRESSED.

6701 LINES OUTPUT.

11BSYS
RETURNING TO 1BSYS.

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DOCUMENT CONTROL DATA - R&D		
<small>(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)</small>		
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		2b GROUP N/A
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11 SUPPLEMENTARY NOTES VOL. I AD 650576	12 SPONSORING MILITARY ACTIVITY Aerospace Medical Research Laboratories Aerospace Medical Division, Air Force Systems Command, Wright-Patterson AFB, Ohio	
13 ABSTRACT Because of the large number of network combinations and parameter variations possible in a Steele neuromime network, a program for simulating the nets on a digital computer is being developed to aid in determining the most efficient nets for specific tasks. The results of the investigation of network and parameter variations may then be used as the restraints and design criteria for neuromime devices with specific signal recognition capabilities. The simulation provides as a tool, a means of generating randomly connected networks with desired statistical restraints and a training phase which alters the network in such a manner as to force the actual response closer to the desired response. The generalized nature of the nets used is the essence of the research effort. Appendix II contains the neuromime simulator output.		

DD FORM 1473
1 JAN 64

Security Classification

Security Classification

14 KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Bionics Automata Computers Neuromime networks Simulation FORTRAN IBM 7094						

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